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JSM 2005 Program Committee

Advisory Committee on Continuing Education

Nandini Kannan, Chair
The University of Texas
Charles Yun Tan
Merck & Co., Inc.
Katherine T. Halvorsen
Smith College
Gordon J. Johnston
SAS Institute Inc.
Eileen C. King
Procter & Gamble
Andy Maumouostakos
University of Arkansas
Leonard Oppenheimer
Eisai Medical Research Inc.
Estelle Russek-Cohen
U.S. Food and Drug Administration
Clyde Tucker
Bureau of Labor Statistics
Susan J. Devlin
The Artemis Group

ASA Meetings

Elaine L. Powell, CMP
Assistant Director of Meetings
Kathleen Wert
Meetings Planner
Margarita E. Navas
Meetings Planner

Local Assistance Committee

Sarah Kogut, Chair
W.L. Gore & Associates, Inc.
Ansu Chatterje
University of Minnesota
Jon Coltz
General Mills, Inc.
Lynn Eberly
University of Minnesota
Fred Hulting
General Mills, Inc.
Stan Lipovetsky
GfK Custom Research Inc.
An Liu
3M Pharmaceuticals

ASA Continuing Education

Madge Haven
Education Manager
Rick Peterson
Education Coordinator

Daniel F. Heitjan
JSM Program Chair
University of Pennsylvania
Naisyin Wang
International Biometric Society (ENAR)
Texas A&M University
Robert Weiss
International Biometric Society (WNAR)
UCLA
David Madigan
Institute of Mathematical Statistics (Invited)
Rutgers, The State University of New Jersey
Dave Higdon
Institute of Mathematical Statistics (Contributed)
Los Alamos National Laboratory
Radu Craiu
Statistical Society of Canada (SSC)
University of Toronto
Winston Anston
Richards
The ASA Council of Chapters
Penn State University at Harrisburg
Margo J. Anderson
The ASA Committee on Committees
University of Wisconsin-Milwaukee

John E. Kolassa
General Methodology
Rutgers, The State University of New Jersey
Michael R. Elliott
General Methodology
University of Pennsylvania
Ying Kuen (Ken) Cheung
Invited and Contributed Posters
Columbia University
Ming-Hui Chen
Section on Bayesian Statistics
University of Connecticut
Eva Petkova
Biometrics Section
Columbia University

Kannan Natarajan
Biopharmaceutical Section
Bristol-Myers Squibb
Esfandiar Maasoumi
Business & Economics Statistics Section
Southern Methodist University
Susan Holmes
Statistical Computing Section
Stanford University
Susan McGorry
Section on Statistical Consulting
University of Florida
Wendy Martinez
Section on Statistics in Defense and National Security
Office of Naval Research

Karen McGaughey
Section on Statistical Education
Cal Poly University
Dale L. Zimmerman
Section on Statistics and the Environment
University of Iowa
Robert H. Lyles
Section on Epidemiology
Emory University
Brian A. Harris-Kojetin
Section on Government Office of Management and Budget

Therese A. Stukel
Section on Health Policy Statistics
Institute for Clinical Evaluative Sciences
Wendy Moe
Section on Statistics in Marketing
University of Texas
Myles Hollander
Section on Nonparametric Statistics
Florida State University
Angela M. Dean
Section on Physical & Engineering Sciences
The Ohio State University
Jennifer H. Van Mullekom
Section on Quality & Productivity
Dupont Engineering Tech

Steven A. Anderson
Section on Risk Analysis
U.S. Food and Drug Administration
Renee H. Miller
Social Statistics Section
Energy Information Administration
Jerome P. Reiter
Section on Statistics in Sports
Duke University
Rachel M. Hartner
Section on Survey Research Methods
NORC

Patricia A. Arbogast
Section on Teaching Statistics in the Health Sciences
Vanderbilt University

Okay
American Statistical Association

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International Representative
Denise Lievesley

Editors, Journal of the American Statistical Association
Coordinating and Applications and Case Studies:
Mark S. Kaiser
Theory and Methods:
Francisco J. Samaniego
Review:
Francisco J. Samaniego
Editor, The American Statistician
James H. Albert
Editor, CHANCE
Michael Lavine
Editors, Current Index of Statistics
Abstracting:
George Styan
Database:
David James
Editor, Journal of Agricultural, Biological, and Environmental Statistics
Byron J. T. Morgan
Editor, Journal of Business & Economic Statistics
Torben G. Andersen
Editor, Journal of Computational and Graphical Statistics
Luke Tierney

Editor, Journal of Educational and Behavioral Statistics
David M. Thissen
Editor, STATS: The Magazine for Students of Statistics
Paul J. Fields
Editor, Technometrics
William I. Notz
Editor, Amstat Online
Michael Conlon
Editor, Journal of Statistics Education
W. Robert Stephenson
Editor, ASA/SIAM Book Series
Robert N. Rodriguez
Council of Chapters Chair
Thomas P. Capizzi
Council of Sections Chair
E. Jacquelin Dietz

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1429 Duke Street
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Web site: www.amstat.org

Statistical Society of Canada

Executive 2005–2006

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David Binder

President-Elect
Charmaine Dean

Past President
Nancy Reid

Secretary
Penny Brasher

Treasurer
Edward Chen

Public Relations Officer
Jock Mackay

Business Office:
Statistical Society of Canada
577 King Edward Avenue
Ottawa, ON, Canada K1N 6N5
Phone: (613) 562-5320
Fax: (613) 565-6774
Email: info@ssc.ca
Web site: www.ssc.ca

MINNEAPOLIS ★ 3
2005 ASSOCIATION OFFICERS

International Biometric Society–Eastern North American Region
January–December 2005

President
Peter B. Imrey

Past President
Marie Davidian

President-Elect
Jane Pendergast

Secretary (2005–2006)
Lance Waller

Treasurer (2004–2005)
Joanna Shih

Regional Committee (RECOM)
President (Chair): Peter B. Imrey

Six members (elected to three-year terms):
Regional Advisory Board (RAB) Chair
Stacy Lindborg
2003–2005
Stephen George
Roderick Little
2004–2006
Bruce Craig
Amita Manatunga
2005–2007
Gregory Campbell
Naisyin Wang

Regional Members of the Council of the International Biometric Society:
Marie Davidian, Walter W. Piegorsch, Ron Brookmeyer, Louise Ryan, Janet Wittes

Appointed Members of the RAB (three-year terms)
Chair
Stacy Lindborg
2003–2005
Scarlett Bellamy, Christopher R. Bilder, DuBois Bowman, James J. Chen,
Michael Daniels, Francesca Dominici, Montserrat Fuentes, Stacy Lindborg, Brian D. Marx, Alicia Y. Toledano

2004–2006
Hongshik Ahn, Brent Coull, Debashis Ghosh, Amy Herring, Tom Loughlin, Jared Lunceford, Jeffrey Morris, Kerrie Nelson, Frank Roesch, Helen Zhang
2005–2007
Barbara Bailey, Sudipto Banerjee, Jason Conner, Todd Durham, Kirk Easley, Abie Ekangaki, Deborah Ingram, Xuejen Peng, James Rosenberger, Maura Stokes

Programs
2005 Joint Statistical Meeting
Naisyin Wang

2006 Joint Statistical Meeting
Brent Coull

2005 Spring Meeting—Austin, Texas
Program Chair: A. John Bailer
Program Co-Chair: Maura Stokes

2006 Spring Meeting—New Orleans, Louisiana
Local Arrangements Chairs:
Julia Volanfuva and Brian Marx
Local Arrangements Co-Chair:
Todd Nick
Program Chair: Montserrat Fuentes
Program Co-Chair: José Pinheiro

Biometrics Editors
Lawrence Freedman, Mike Kenward, and Xihong Lin

Biometric Bulletin Editor
Urania Dafne

ENAR Correspondent for the Biometric Bulletin
Roslyn Stone

ENAR Executive Director
Kathy Hoskins

International Biometric Society Business Manager
Claire Shanley

Committee of Presidents of Statistical Societies (COPSS) ENAR Representatives
President: Peter B. Imrey
Past President: Marie Davidian
President-Elect: Jane Pendergast

ENAR Standing/Continuing Committee Chairs
Nominating: Marie Davidian
Sponsorship: Frank Shen
Information Technology Oversight (ITOC):
Bonnie La Fleur

American Association for the Advancement of Science (Joint with WNAR) Terms through February 22, 2005
Section E, Geology and Geography:
Stephen Rathbun
Section G, Biological Sciences:
Geof Givens
Section N, Medical Sciences:
Joan Hilton
Section O, Agriculture:
Kenneth Portier
Section U, Statistics
Mary Foulkes

National Institute of Statistical Sciences (ENAR President is also an ex-officio member) Board of Trustees Member:
Peter B. Imrey

Business Office:
ENAR
12100 Sunset Hills Road, Suite 130
Reston, VA 20190
Phone: (703) 234-4130
Fax: (703) 435-4390
Email: enar@enar.org
Web site: www.enar.org
International Biometric Society—Western North American Region

President
Chris Drake

President-Elect
Christine McLaren

Past President
Wesley Johnson

Secretary
David Yanez

Treasurer
Kenneth Kopecky

Program Coordinator
Weng Kee Wong

Representatives At-Large
2005–2007: Todd Alonzo, Barbra Richardson
2004–2006: Ken Burnham, Sandrine Dudoit
2003–2005: Stephanie Monks, Lang Wu

IBS Council Representatives
John Neuhaus, Christine McLaren

Business Office:
WNAR Membership Services
Cancer Research and Biostatistics
1730 Minor Avenue, Suite 1900
Seattle, WA 98101-1468
Email: wnar@crab.org
Web site: www.wnar.org

Institute of Mathematical Statistics

Executive Committee

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Louis H. Y. Chen

President-Elect
Thomas G. Kurtz

Past President
Terry Speed

Program Secretary
Andrew Nobel

Executive Secretary
Alicia Carriquiry

Treasurer
Jiayang Sun

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Editor, The Annals of Applied Probability
Robert Adler

Editor, The Annals of Probability
Steve Lalley

Editors, The Annals of Statistics
Morris L. Eaton
Jianqing Fan

Executive Editor, Statistical Science
Ed George

Editor, IMS Bulletin
Bernard Silverman

Editor, Lecture Notes-Monograph Series
Richard Vitale

Editor, IMS Web Site
Hemantr Ishwaran

Managing Editor, Statistics
Paul Shaman

Managing Editor, Probability
Michael Phelan

Editor, Electronic Journal of Probability
J. Theodore Cox

Editor, Electronic Communications in Probability
Martin Barlow

Managing Editor, Electronic Probability Journals
Zhenqing Q. Chen

Council

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J. Steve Marron 2005
Per Mykland 2005
David W. Scott 2005
Jane-Ling Wang 2005
Richard Gill 2006
Hans R. Künsch 2006
Christian P. Robert 2006
Ruth J. Williams 2006
Susan Holmes 2007
Nancy Flournoy 2007
Erwin Bolthausen 2007
Michael Steele 2007
Xuming He 2007

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Executive Director
P.O. Box 22718
Beachwood, OH 44122
Phone: (216) 295-2340
Fax: (216) 295-5661
Email: ims@imstat.org
Web site: www.imstat.org
Meeting Rooms

Meeting rooms are labeled with “letters,” designating in which facility the room is located:
Minneapolis Convention Center = “MCC” Hilton Minneapolis Hotel = “H” Hyatt Regency Minneapolis = “HY”
MINNEAPOLIS CONVENTION CENTER—LEVEL TWO


MINNEAPOLIS CONVENTION CENTER—LOWER LEVEL

Meeting Rooms L100 A–J, Continuing Education Courses, Computer Technology Workshops
HILTON MINNEAPOLIS—2nd FLOOR

Carver, Hennepin, LaSalle, Marquette, Nicollet, Ramsey,
Conrad Rooms (Conrad A,B,C,D)
HILTON MINNEAPOLIS—3rd FLOOR

Board Rooms 1-3, Directors Row 1-4, Red Wing Room, Duluth, Rochester, Salon B, Salon C
MEETING ROOM LOCATIONS

HYATT REGENCY MINNEAPOLIS—SECOND LEVEL

Skyway Suite A & B, Mirage Room, Regency Room

HYATT REGENCY MINNEAPOLIS—FIFTH LEVEL

Lake Suites Conference Center: Lake of the Isles, Lake Calhoun, Cedar Lake, Lake Minnetonka, Lake Superior A & B
American Statistical Association

OPEN MEETING

Fritz J. Scheuren, ASA President
Sunday, August 7, 2005, 6:00 p.m.
Minneapolis Convention Center, Room 102 A

Find out what your Association is doing!

Come to the open meeting, meet your officers, hear about the following items (among others) and voice your opinions about the ASA:

- 2005 Board task force feedback
- Update on ASA finances
- New trends in statistical research
- ASA international outreach
- ASA public policy initiatives
- ASA building
- Response to 2004 Open Meeting queries

Please plan to attend and lend your voice to the discussion of important issues affecting the future of the ASA.
1  Hilton Minneapolis  
   1001 Marquette Avenue  
   COC/COS, committee, and social activities

2  Hyatt Regency Minneapolis  
   1300 Nicollet Mall  
   Committee and social activities

3  Millennium Hotel Minneapolis  
   1313 Nicollet Mall  
   No scheduled activities

4  Marriott City Center  
   30 South Seventh Street  
   No scheduled activities

5  Holiday Inn Express Hotel & Suites  
   225 South Eleventh Street  
   No scheduled activities

6  Radisson Plaza Hotel Minneapolis  
   35 South Seventh Street  
   No scheduled activities

7  Crowne Plaza Northstar Hotel  
   618 Second Avenue South  
   No scheduled activities

8  Embassy Suites Minneapolis–Downtown  
   425 South 7th Street  
   No scheduled activities

Radisson Hotel Metrodome  
615 SE Washington Avenue  
No scheduled activities  
(not pictured on map)

9  University of Minnesota, Middlebrook Hall  
   412 22nd Avenue South  
   (see map below)
JSM Registration Area and Society Booths

1. ASA Communities Booth
2. Institute of Mathematical Statistics (IMS)
3. Eastern North American Region of the International Biometric Society (ENAR)
4. International Statistical Institute (ISI)
5. Minneapolis Restaurant Reservations/Information Desk

A. Gay and Lesbian Concerns in Statistics Committee
B. Federal Committee on Statistical Methodologies
C. The Caucus for Women in Statistics
D. International Indian Statistical Association
E. International Chinese Statistical Association
Emergency Telephone Messages
The general conference telephone number is (612) 335-6860. This will connect you to the JSM Special Assistance and Press Desk and should be used for emergency purposes only. Emergency messages will be posted in the electronic JSM Message Center, located in the registration area at the Minneapolis Convention Center. All other calls or messages should be left on the attendee’s guestroom voice mail.

Convention Hotels
The main phone numbers for the convention hotels are:

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hilton Minneapolis</td>
<td>(612) 376-1000</td>
</tr>
<tr>
<td>Hyatt Regency Minneapolis</td>
<td>(612) 370-1234</td>
</tr>
<tr>
<td>Millennium Hotel Minneapolis</td>
<td>(612) 332-6000</td>
</tr>
<tr>
<td>Marriott City Center</td>
<td>(612) 349-4000</td>
</tr>
<tr>
<td>Holiday Inn Express Hotel &amp; Suites</td>
<td>(612) 341-3300</td>
</tr>
<tr>
<td>Radisson Plaza Hotel Minneapolis</td>
<td>(612) 339-4900</td>
</tr>
<tr>
<td>Crowne Plaza Northstar Hotel</td>
<td>(612) 338-2288</td>
</tr>
<tr>
<td>Embassy Suites Minneapolis–Downtown</td>
<td>(612) 333-3111</td>
</tr>
<tr>
<td>Radisson Hotel Metrodome</td>
<td>(612) 379-8888</td>
</tr>
<tr>
<td>University of Minnesota, Middlebrook Hall</td>
<td>(612) 625-0536</td>
</tr>
</tbody>
</table>

Assistance for the Disabled
If you have a disability that may impede your participation, please contact a staff member at the Special Assistance and Press Desk on the First Level of the Minneapolis Convention Center.

Child Care
Nanny Professionals will provide child care at JSM. Nannies will come directly to your hotel room; the rate is $13 per hour for the first one or two children, increasing $1 per hour up to five children. After five children, a second nanny will be needed. In addition, there is a $10 mileage fee plus parking. There is a minimum of five hours during the day and four hours in the evening. Nanny Professionals has served the Twin Cities at major hotels and the convention center since 1984. Visit their web site at www.nannyprofessionals.com or contact them directly by phone, (651) 221-0587, or email, nannypro@bevcomm.net, for more information.

The Caucus for Women in Statistics will provide a subsidy toward three hours of babysitting per family for up to 14 families. If you are interested, please contact Julia Bienias, president of The Caucus for Women in Statistics, at jbianias@rush.edu.

Electronic Devices
Please turn off all cell phones, pagers, and other electronic devices before attending any JSM session. These devices cause interference with the audiovisual equipment and are a distraction to the session speaker and attendees.

No Smoking Policy
For the comfort and health of all attendees, smoking is not permitted at any JSM function. This includes plenary sessions, concurrent sessions, workshops, luncheons, and receptions (unless the event is outdoors).

Photographs and Videotaping
Taking photographs or using video equipment in any session or at any JSM event is prohibited; violators will be asked to leave. This is a disruption for the speakers, a distraction for the audience, and an infringement on intellectual property rights. Only the official JSM photographer will be authorized to take photographs.

Recycling at JSM
Your participation can make the difference. You may help by making use of the Towel and Linen Programs in use at the area hotels. Also, simply change the option from print to not print at the Cyber Café and Message Center to help us continue our efforts to conserve. Please note, area hotels and the convention center do sort items for recycling. If you have additional questions, please stop by the Special Assistance and Press Desk in the Minneapolis Convention Center registration area.
MEETINGS AND SESSIONS

Invited Poster Session
MCC - Level Two, Lobby B

Invited posters will be showcased Sunday, August 7, from 4:00 p.m. to 5:50 p.m. The session is designed for the display of state-of-the-art statistical technology. Details are available in the general program schedule. Authors are assigned a poster board corresponding to the number in the program and will remain for the allotted time.

Poster Sessions
MCC - Level Two, Lobby B

Regular and Topic Contributed Poster Sessions are held Sunday from 8:00 p.m. to 9:50 p.m. and Monday and Tuesday from 10:30 a.m. to 12:20 p.m. and 2 p.m. to 3:50 p.m. These sessions are designed for the display of graphical materials, charts, printouts, etc., rather than the text of the paper. Details are available in the general program schedule. Authors are assigned a poster board corresponding to the number in the program and will remain for the allotted time.

Introductory Overview Lectures

The Introductory Overview Lectures are a series of talks on a variety of topics. No preregistration is necessary, and they are open to all JSM registrants. If you have suggestions for next year, please contact 2006 JSM Program Chair Lisa LaVange at llavange@inspirepharm.com.

Sunday, August 7
4:00 p.m.—5:50 p.m.
MCC-200ABC
Session 37
Introductory Overview Lecture on Visual Data Mining

Monday, August 8
10:30 a.m.—12:20 p.m.
MCC-200ABC
Session 110
Introductory Overview Lecture on Multivariate Probability Density Estimation

Tuesday, August 9
8:30 a.m.—10:20 a.m.
MCC-200ABC
Session 203
Introductory Overview Lecture on Data Confidentiality

Wednesday, August 10
8:30 a.m.—10:20 a.m.
MCC-200ABC
Session 334
Introductory Overview Lecture on Recurrent Events Data Analysis for Applications

Thursday, August 11
8:30 a.m.—10:20 a.m.
MCC-L100G
Session 460
Introductory Overview Lecture on Objective Bayesian Inference

Late-breaking Sessions

The JSM partner societies recently approved two additional session slots for special invited Late-Breaking Sessions to cover important topics that might emerge close in time to each JSM. This is an exciting addition to the JSM program, most of which is organized well in advance.

Monday, August 8
2:00 p.m.—3:50 p.m.
MCC-200ABC
Session 164
Late-Breaking Session 1—Bias in Exit Polls

Wednesday, August 10
10:30 a.m.—12:20 p.m.
MCC-200ABC
Session 371
Late-Breaking Session 2—The COX-2 Inhibitors Story: What Do (Should) We Know and When Do (Should) We Know It—and What Should We Do about It?
**Business and Committee Meetings**

All meetings are open unless shown as “closed” or “by invitation only.” Section business meetings are open to all, and members are urged to attend. Business meetings of the ASA Sections provide the opportunity to give suggestions on Section business.

**Opening Mixer,** MCC-Seasons and Bridge  
Sunday, August 7, 8:00 p.m.–10:30 p.m.

Don’t miss your chance to get JSM 2005 off to a great start and enjoy refreshments with your colleagues. New this year, an assortment of contributed posters will be on display during the mixer. We will see you there!

**JSM First-Time Attendee Orientation and Reception,** MCC-L100 F  
Sunday, August 7, 6:00 p.m.–7:30 p.m.

Learn more about how to get the most out of your first JSM experience, meet new people, and network.

**Student Mixer,** H-Conrad A  
Monday, August 8, 6:00 p.m.–7:00 p.m.

Student registrants can enjoy refreshments, meet their peers, and make plans for local events and outings at this mixer. The 2005 Student Mixer is sponsored by the ASA Committee on Membership Retention and Recruitment. A number of door prizes will be given away. Students, you don’t want to miss it!

**The ASA Longtime Member Reception,**  
H-Conrad B  
Monday, August 8, 6:30 p.m.–7:30 p.m.

If you joined the ASA 35 or more years ago, the American Statistical Association would like to thank you for your longtime support. The reception is sponsored by the ASA Membership Committee.

**Society Business Meetings**

You are encouraged to attend your society business meetings, if held during JSM. This is your chance to give your input to the officers and other members of your society.

**American Statistical Association**  
Sunday, August 7, 6:00 p.m.–7:30 p.m.  
MCC-102A

**Statistical Society of Canada**  
Monday, August 8, 5:00 p.m.–7:00 p.m.  
HY-Regency

**International Biometric Society, ENAR Business Meeting**  
Tuesday, August 9, 5:30 p.m.–7:30 p.m.  
MCC-103A

**IMS Business Meeting**  
Tuesday, August 9, 12:30 p.m.–1:30 p.m.  
MCC-102A
Access Professional Resources
with the American Statistical Association

MEMBERS ENJOY:

A SUBSCRIPTION to Amstat News, the ASA’s monthly membership magazine, full of upcoming events and job opportunities.

NETWORKING through the ASA’s regional Chapters and special-interest Sections.

MEMBERS-ONLY FEATURES of the ASA JobWeb at http://jobs.amstat.org/, including “Post Your Resume” and “Notify Me!”

OPPORTUNITIES to expand career horizons with the ASA’s Career Placement Service at the Joint Statistical Meetings.

DISCOUNTED registration fees for the annual Joint Statistical Meetings and Continuing Education Courses.

ONLINE ACCESS to the Current Index to Statistics (CIS), a bibliographic index to publications in statistics and related fields.

ASA Membership Exhibit Booth Hours
MCC - Hall E, Booth 700
Sunday, August 7 1:00 p.m.–6:00 p.m.
Monday, August 8 9:00 a.m.–6:00 p.m.
Tuesday, August 9 9:00 a.m.–6:00 p.m.
Wednesday, August 10 9:00 a.m.–2:00 p.m.

Become a MEMBER of ASA—join at the ASA Communities Booth and save $15 on your first year!

Most membership categories include a subscription to Amstat News. Student members also receive STATS: The Magazine for Students of Statistics. All members receive discounts on ASA publications, meetings, and educational programs. For information regarding your benefits, including how to subscribe to additional publications or register for ASA meetings, contact customer service at 1 (888) 231-3473 or visit our web site, www.amstat.org/join.
Recycling Badge Holders
JSM badges and badge holders will be collected for recycling. Please place those you are not reusing in a designated bin at the registration area.

2005 JSM Proceedings
Order your JSM 2005 Proceedings in advance! Order forms also are available at the ASA Membership booths in the JSM Registration Area and in EXPO 2005. CDs will mail in January 2006.

Would you like to publish your presentation in the 2005 Proceedings? Eligibility guidelines and author instructions for JSM 2005 presenters are available at www.amstat.org/meetings/jsm/2005. Click the Program tab and select “Proceedings.” Submissions must be in electronic format; the submission site opened August 1, 2005.

JSM 2006
The 2006 Joint Statistical Meetings will be held in Seattle, Washington, August 6–10, 2006, at the Washington State Convention & Trade Center. Preliminary information about JSM 2006 can be found at the Seattle Booth #704 in this year’s EXPO 2005. The complete listing of the 2006 Program Committee and instructions on the submission of contributed papers appeared in the June issue of Amstat News.

If You Are Not a Member...
Information about the American Statistical Association, the Eastern and Western North American Regions of the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada will be available at the society booths located in the registration area and in the Exhibit Hall at the Minneapolis Convention Center. Publications and other materials also will be on display. If you are not a member, pick up an application form today. Each society provides a variety of publications and activities to anyone interested in applied and/or theoretical aspects of statistics. Student memberships are offered at substantially reduced rates.

If you are not already a member of the ASA, join now and receive $15 off a one-year ASA membership. This offer is not applicable to student, senior, or discounted memberships. Return your completed application and payment of $70 to the ASA Membership Booth by Thursday, August 11, at 10 a.m. to receive your discount. Make an investment in your career and begin enjoying all membership benefits right away by joining today!
All persons attending JSM, including participants in the program, are required to register. Materials for all those who registered in advance are available at the JSM Registration Desk, located on Level One of the Minneapolis Convention Center. You also may add Continuing Education Courses, the Career Placement Service, tours, guests, or luncheons to your JSM registration at the JSM Registration Desk. Onsite career placement applicants are required to register. Hours of operation:

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, August 6</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Sunday, August 7</td>
<td>7:00 a.m.–8:30 p.m.</td>
</tr>
<tr>
<td>Monday, August 8</td>
<td>7:30 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Tuesday, August 9</td>
<td>7:30 a.m.–4:30 p.m.</td>
</tr>
<tr>
<td>Wednesday, August 10</td>
<td>7:30 a.m.–4:30 p.m.</td>
</tr>
<tr>
<td>Thursday, August 11</td>
<td>7:30 a.m.–10:30 a.m.</td>
</tr>
</tbody>
</table>

JSM registration includes the Program and Abstract books, access to the Exhibit Hall, admission to the Sunday night Opening Mixer (dry snacks, beer, and soft drinks), the Monday evening Student Mixer (students only), and the Informal Dance Party on Tuesday evening (dancing, dry snacks, and cash bar). If you did not purchase luncheon tickets with your advance registration, ask at the JSM Registration Desk for availability. Limited seating is still available for some luncheons. Tickets will be sold until 2 p.m. on the day prior to the scheduled luncheon. NOTE: No onsite Kosher or Heart Healthy meal tickets will be available.

**ASA Continuing Education (CE) Courses**

Courses will be held in meeting rooms at the Minneapolis Convention Center. For room assignments, please review the general program or visit the Special Assistance and Press Desk on Level One of the Minneapolis Convention Center.

**Onsite CE Registration**: Go to the JSM Registration Desk, located on Level One of the Minneapolis Convention Center. Availability may be limited. Textbooks will not be available.

**Speaker Work Rooms**

There will be two Speaker Work Rooms this year, both at the Minneapolis Convention Center on Level Two in Rooms 204A and 204B. Hours of operation:

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, August 6</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Sunday, August 7</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Monday, August 8</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Tuesday, August 9</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Wednesday, August 10</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Thursday, August 11</td>
<td>7:00 a.m.–10:30 a.m.</td>
</tr>
</tbody>
</table>

A Speaker Work Room is available for all presenters. There will be two stations available in each room: one with an overhead projector and screen and one with a data projector and screen. To accommodate more than 3,200 presenters, each speaker will be limited to 10 minutes to test the equipment. Please rehearse your verbal presentation in the privacy of your own hotel room to ensure everyone has a chance to test the equipment.

Presenters using laptops for presentations are encouraged to report to the Speaker Work Room for training on how to connect properly to the data projector. Audiovisual technicians will be available to assist with questions or problems.

**Career Placement Service**

**MCC-Exhibit Hall C**

The JSM 2005 Career Placement Service will be located in the Minneapolis Convention Center, Exhibit Hall C. Hours of operation:

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, August 6</td>
<td>9:00 a.m.–5:00 p.m.</td>
</tr>
<tr>
<td>Onsite Registration Only</td>
<td></td>
</tr>
<tr>
<td>Sunday, August 7</td>
<td>1:00 p.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Full Career Placement Service Open</td>
<td></td>
</tr>
<tr>
<td>Monday, August 8</td>
<td>8:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Full Career Placement Service Open</td>
<td></td>
</tr>
<tr>
<td>Tuesday, August 9</td>
<td>8:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Full Career Placement Service Open</td>
<td></td>
</tr>
<tr>
<td>Wednesday, August 10</td>
<td>8:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Full Career Placement Service Open</td>
<td>(Onsite placement registration closes at Noon)</td>
</tr>
</tbody>
</table>

**EXPO 2005**

**MCC-Exhibit Hall C**

Visit publishers, software companies, and recruiters. See state-of-the-art products designed for the statistical community.

**Exhibitors Move in and out Information**

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, August 6</td>
<td>8:00 a.m.–5:00 p.m.</td>
</tr>
<tr>
<td>Sunday, August 7</td>
<td>8:00 a.m.–11:00 a.m.</td>
</tr>
<tr>
<td><strong>Exhibitor Move in Only</strong></td>
<td></td>
</tr>
<tr>
<td>Wednesday, August 10</td>
<td>2:00 p.m.–8:00 p.m.</td>
</tr>
<tr>
<td><strong>Exhibitor Move out Only</strong></td>
<td></td>
</tr>
<tr>
<td>Sunday, August 7</td>
<td>9:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Monday, August 8</td>
<td>9:00 a.m.–6:00 p.m.</td>
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<tr>
<td>Tuesday, August 9</td>
<td>9:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Wednesday, August 10</td>
<td>9:00 a.m.–2:00 p.m.</td>
</tr>
<tr>
<td><strong>Show Hours of Operation</strong></td>
<td></td>
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</tbody>
</table>
Cyber Café and Message Center  
MCC-Level 1, Registration Lobby

There will be terminals designated in the Message Center for internet access. The Cyber Café and electronic Message Center are for registered JSM attendees and are located in the JSM Registration Area on Level One of the Minneapolis Convention Center. There will NOT be 24-hour access to the Cyber Café and Message Center. To reach an attendee when the Message Center is closed, please call his/her hotel directly. Hours of operation:

Saturday, August 6 7:00 a.m.–11:00 p.m.
Sunday, August 7 7:00 a.m.–11:00 p.m.
Monday, August 8 7:00 a.m.–11:00 p.m.
Tuesday, August 9 7:00 a.m.–11:00 p.m.
Wednesday, August 10 7:00 a.m.–11:00 p.m.
Thursday, August 11 7:00 a.m.–10:30 a.m.

ASA Marketplace  
MCC-Level 1, Registration Lobby

The ASA Marketplace is your store for JSM and ASA souvenirs. Purchase your official JSM 2005 T-shirt, new shirt designs, great new gifts, and clearance items. Hours of operation:

Saturday, August 6 12:00 p.m.–5:00 p.m.
Sunday, August 7 9:00 a.m.–5:00 p.m.
Monday, August 8 9:00 a.m.–5:00 p.m.
Tuesday, August 9 9:00 a.m.–5:00 p.m.
Wednesday, August 10 9:00 a.m.–5:00 p.m.
Thursday, August 11 8:00 a.m.–10:30 a.m.

Special Assistance and Press Desk  
MCC-Level 1, Registration Lobby

Information on activities in Minneapolis, Minnesota, local restaurants, attractions, local maps, and organized tours are available at the Special Assistance and Press Desk on Level One of the Minneapolis Convention Center in the JSM Registration area. Hours of operation:

Saturday, August 6 7:00 a.m.–6:00 p.m.
Sunday, August 7 7:00 a.m.–8:30 p.m.
Monday, August 8 7:30 a.m.–6:00 p.m.
Tuesday, August 9 7:30 a.m.–4:30 p.m.
Wednesday, August 10 7:30 a.m.–4:30 p.m.
Thursday, August 11 7:30 a.m.–10:30 a.m.

Minneapolis Restaurant Reservations/Information Desk  
MCC-Level One, Registration Lobby

The Minneapolis Convention Center will provide a Restaurant Reservations/Information Desk in the main lobby area of the South Building entrance. The desk will provide information on the Minneapolis Convention Center and the city. Attendants also will offer directions; provide maps; and suggest restaurants, local activities, and attractions. Hours of operation:

Saturday, August 6 10:00 a.m.–6:00 p.m.
Sunday, August 7 10:00 a.m.–6:00 p.m.
Monday, August 8 9:00 a.m.–5:00 p.m.
Tuesday, August 9 9:00 a.m.–5:00 p.m.
Wednesday, August 10 9:00 a.m.–5:00 p.m.

First Aid Office  
MCC-Level 1, Registration Lobby

Sunday, August 7 2:00 p.m.–10:30 p.m.
Monday, August 8 8:30 a.m.–6:00 p.m.
Tuesday, August 9 8:30 a.m.–6:00 p.m.
Wednesday, August 10 8:30 a.m.–6:00 p.m.
Thursday, August 11 8:30 a.m.–12:30 p.m.
Statistical Society of Canada
– a long-standing participant in the JSM.

Join us at the SSC Reception
Monday, August 8, 5:00 p.m.–7:00 p.m.
at the Hyatt Regency in the Regency Room

www.ssc.ca
**President's Invited Address**— *A Bayes/Frequentist Roadmap*  
Monday, August 8, 4:00 p.m.  

**Roderick J. Little**, University of Michigan  

R. Little is Richard D. Remington Collegiate Professor of Biostatistics and Professor of Statistics at the University of Michigan. He has more than 150 publications, notably on methods for the analysis of data with missing values and model-based survey inference and the application of statistics to diverse scientific areas, including medicine, demography, economics, psychiatry, aging, and the environment. He is interested in federal statistical issues and has served on many National Research Council committees.

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**IMS Presidential Address**— *The Poisson Paradigm*  
Monday, August 8, 8:00 p.m.  

**Louis H. Y. Chen**, National University of Singapore  

Louis Chen received his bachelor's degree from the University of Singapore in 1964 and his doctorate from Stanford University in 1971. He is currently the Director of the Institute for Mathematical Sciences at the National University of Singapore, and was President of the Bernoulli Society for Mathematical Statistics and Probability from 1997 to 1999. He works mainly in probability and is best known for his pioneering work in the development of Stein's method in the context of Poisson approximation.

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**Deming Lecture**— *Statistics, Quality, and Organizational Excellence*  
Tuesday, August 9, 4:00 p.m.  

**A. Blanton Godfrey**, North Carolina State University  

A. Blanton (Blan) Godfrey is Dean and Joseph D. Moore Professor of Textile & Apparel Technology & Management, College of Textiles, North Carolina State University. He has given seminars, consulted, or taught courses in more than 55 countries; his written materials have been translated, collectively, in more than 15 languages; and he has worked with many of the top executives of leading companies throughout the world. His research interests include statistical graphics, quality and productivity management, strategic deployment, mistake proofing, and applied statistics.

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**The ASA Presidential Address**— *Statistics: a Rights Discipline*  
Tuesday, August 9, 8:00 p.m.  

**Fritz J. Scheuren**, University of Chicago  

Currently VP Statistics, NORC, University of Chicago, Fritz Scheuren works mainly on sampling issues in applied settings. In recent years, these applications have largely involved human rights matters, both overseas and in the United States. Among other practitioner honors, he has received the Harry Roberts Statistical Advocate Award (from the Chicago ASA Chapter) and the Shiskin Award for Contributions to Economic Statistics (from the National Association of Business Economists and the Washington Statistical Society).

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**COPSS Fisher Lecture**— *Dimension Reduction in Regression*  
Wednesday, August 10, 4:00 p.m.  

**R. Dennis Cook**, University of Minnesota  

R. Dennis Cook, Professor of Statistics at the University of Minnesota, will deliver the Fisher Lecture on dimension reduction. The Lectureship honors a leading statistician who has contributed to scientific investigation through the development and promotion of statistical methods. Cook is recognized for his contributions in regression diagnostics and graphics, optimal experimental design, nonlinear modeling, and the design and analysis of aerial surveys for snow geese, deer, wild horses, and moose. His contributions have been seminal, including the introduction of the “Cook’s distance” measure of influence.
Neyman Lecture
Sunday, August 7, 4:00 p.m.

David Brillinger, University of California, Berkeley

David Brillinger was born in Toronto, Canada. He obtained a bachelor's degree in pure mathematics from the University of Toronto, and earned both a master's degree and a PhD at Princeton University under the supervision of John W. Tukey. He then completed a post-doctoral assignment at the London School of Economics before returning to Princeton to act as a joint lecturer in mathematics for two years. Next, Dr. Brillinger spent five years as statistics lecturer and reader at the London School of Economics. At the end of 1969, he took a position at the University of California, at Berkeley as professor of statistics and has remained there ever since. Dr. Brillinger also is a member of Technical Staff at Bell Telephone Labs.

Wald Lectures
Tuesday, August 9, 4:00 p.m.; Wednesday, August 10, 10:30 a.m.; and Thursday, August 11, 10:30 a.m.

S. R. Srinivasa Varadhan, New York University

S. R. S. Varadhan received his doctoral degree from the Indian Statistical Institute, Calcutta, India, and has spent almost his entire professional career at the Courant Institute of Mathematical Sciences of New York University. His work covers several areas in probability theory, with connections to analysis and mathematical physics. He is a member of the U.S. National Academy of Sciences and a Fellow of the Royal Society in the United Kingdom.
<table>
<thead>
<tr>
<th>TIME</th>
<th>COURSE</th>
<th>INSTRUCTOR(S)</th>
<th>COURSE TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, August 6, 2005</td>
<td>CE_01C</td>
<td>Terence P. Speed/Benjamin M. Bolstad/</td>
<td>Analysis of Gene Expression Data (2 days)</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
<td></td>
<td>Yee Hwa Jean Yang/James Wettenhall</td>
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<tr>
<td></td>
<td>CE_02C</td>
<td>Peter Mueller/Jack Lee</td>
<td>Bayesian Clinical Trial Design–Approaches and Implementation</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
<td></td>
<td>Robert Kohn/Christopher K. Carter</td>
<td>Bayesian Methods for Multivariate Regression: Variable Selection and Covariance Selection Models</td>
</tr>
<tr>
<td></td>
<td>CE_04C</td>
<td>Hongyu Zhao</td>
<td>Introduction to Statistical Methods in Human Genetics</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
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<tr>
<td></td>
<td>CE_05C</td>
<td>Terry Therneau</td>
<td>Extending the Cox Model</td>
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<td>8:15 a.m.–4:15 p.m.</td>
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<tr>
<td></td>
<td>CE_06C</td>
<td>Steven K. Thompson</td>
<td>Adaptive Sampling</td>
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<tr>
<td>8:15 a.m.–4:15 p.m.</td>
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<tr>
<td></td>
<td>CE_07C</td>
<td>Frank E. Harrell, Jr.</td>
<td>Regression Modeling Strategies</td>
</tr>
<tr>
<td>8:15 a.m.–4:15 p.m.</td>
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<tr>
<td>Sunday, August 7, 2005</td>
<td>CE_01C</td>
<td>Terence P. Speed/Benjamin M. Bolstad/</td>
<td>Analysis of Gene Expression Data (2 days)</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
<td></td>
<td>Yee Hwa Jean Yang/James Wettenhall</td>
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<tr>
<td></td>
<td>CE_08C</td>
<td>Scott M. Berry/Donald A. Berry</td>
<td>Adaptive Bayesian Clinical Trials</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
<td></td>
<td>Allan Donner/Neil Klar</td>
<td>Design and Analysis of Cluster Randomization Trials</td>
</tr>
<tr>
<td></td>
<td>CE_09C</td>
<td>Donald B. Rubin/Trivellore E. Raghunathan</td>
<td>Multiple Uses of Multiple Imputation</td>
</tr>
<tr>
<td>8:15 a.m.–4:15 p.m.</td>
<td></td>
<td></td>
<td>Models for Repeated Discrete Data</td>
</tr>
<tr>
<td></td>
<td>CE_11C</td>
<td>Geert Verbeke/Geert Molenberghs</td>
<td>Bootstrap Methods and Permutation Tests for Doing and Teaching Statistics</td>
</tr>
<tr>
<td>8:15 a.m.–4:15 p.m.</td>
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<tr>
<td>Monday, August 8, 2005</td>
<td>CE_13C</td>
<td>Ralph O’Brien/John Castelloe</td>
<td>Sample-size Analysis for Study Planning</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
<td></td>
<td>Christy Chuang-Stein/Alex Dmitrienko/</td>
<td>Analysis of Clinical Trials: Theory and Applications</td>
</tr>
<tr>
<td></td>
<td>CE_14C</td>
<td>Geert Molenberghs</td>
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<td>8:00 a.m.–4:00 p.m.</td>
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<tr>
<td></td>
<td>CE_15C</td>
<td>Richard M. Heiberg/Burt Holland</td>
<td>Statistical Analysis and Data Display</td>
</tr>
<tr>
<td>8:15 a.m.–4:15 p.m.</td>
<td></td>
<td>Bradley P. Carlin/Sudipto Banerjee/</td>
<td>Hierarchical Modeling and Analysis for Spatial Data</td>
</tr>
<tr>
<td></td>
<td>CE_16C</td>
<td>Alan E. Gelfand</td>
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<td>8:15 a.m.–4:15 p.m.</td>
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<td></td>
<td>CE_17C</td>
<td>Peter H. Westfall</td>
<td>Multiple Comparisons and Multiple Tests</td>
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<td>8:15 a.m.–4:15 p.m.</td>
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<td></td>
<td>CE_18C</td>
<td>Geof H. Givens/Jennifer Hoeting</td>
<td>Computational Statistics: Methods for Optimization and Monte Carlo Integration</td>
</tr>
<tr>
<td>1:00 p.m.–5:00 p.m.</td>
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<td></td>
<td>Statistical Methods for Evaluating Tests and Biomarkers in Medicine</td>
</tr>
<tr>
<td></td>
<td>CE_19C</td>
<td>Margaret S. Pepe</td>
<td>Metaanalysis: Statistical Methods for Combining the Results of Independent Studies</td>
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<tr>
<td>1:00 p.m.–5:00 p.m.</td>
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<tr>
<td>Tuesday, August 9, 2005</td>
<td>CE_21C</td>
<td>Edward Wegman</td>
<td>Statistical Data Mining</td>
</tr>
<tr>
<td>8:00 a.m.–Noon</td>
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<tr>
<td></td>
<td>CE_22C</td>
<td>Wayne Nelson</td>
<td>Applied Recurrent Events Data Analysis</td>
</tr>
<tr>
<td>8:00 a.m.–4:00 p.m.</td>
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<td>Bayesian Inference</td>
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<tr>
<td></td>
<td>CE_23C</td>
<td>Bruno Sansó</td>
<td>Monte Carlo Methods in Bayesian Modeling with Applications to Bioinformatics</td>
</tr>
<tr>
<td>8:15 a.m.–4:15 p.m.</td>
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<td>Categorical Data Analysis</td>
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<tr>
<td></td>
<td>CE_24C</td>
<td>Jun S. Liu</td>
<td>Semiparametric Regression</td>
</tr>
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<td>8:15 a.m.–4:15 p.m.</td>
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<td>CE_25C</td>
<td>Charles S. Davis</td>
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<td>8:15 a.m.–4:15 p.m.</td>
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<td>CE_26C</td>
<td>David Ruppert/Oiprian Craineanu</td>
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<td>8:15 a.m.–4:15 p.m.</td>
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<tr>
<td>Wednesday, August 10, 2005</td>
<td>CE_27T</td>
<td>John Castelloe</td>
<td>Power and Sample Size Analysis Using SAS/STAT Software</td>
</tr>
<tr>
<td>8:00 a.m.–9:45 a.m.</td>
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<td></td>
<td>CE_28T</td>
<td>Dan Steinberg/Mikhail Golovnya</td>
<td>Introduction to CART: Data Mining with Decision Trees</td>
</tr>
<tr>
<td>8:00 a.m.–9:45 a.m.</td>
<td></td>
<td>Cyrus R. Mehta</td>
<td>East v4: a Comprehensive Package for Adaptive and Group Sequential Design, Interim Monitoring, and Simulation</td>
</tr>
<tr>
<td></td>
<td>CE_29T</td>
<td></td>
<td>Statistical Analysis with the GLIMMIX Procedure</td>
</tr>
<tr>
<td>10:00 a.m.–11:45 a.m.</td>
<td></td>
<td></td>
<td>Introduction to MARS: Predictive Modeling with Nonlinear Automated Regression Tools</td>
</tr>
<tr>
<td></td>
<td>CE_30T</td>
<td>Oliver Schabenberger</td>
<td>Complex Samples in SPSS</td>
</tr>
<tr>
<td>10:00 a.m.–11:45 a.m.</td>
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<td></td>
<td>CE_31T</td>
<td>Dan Steinberg/Mikhail Golovnya</td>
<td>Robust Regression and Quantile Regression Using SAS/STAT Software</td>
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<td>10:00 a.m.–11:45 a.m.</td>
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<td></td>
<td>CE_32T</td>
<td>Damir Spisic</td>
<td>Advances in Data Mining: Jerome Friedman’s MART and Leo Breiman’s Random Forests</td>
</tr>
<tr>
<td>10:00 a.m.–11:45 a.m.</td>
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<tr>
<td></td>
<td>CE_33T</td>
<td>Colin [Lir] Chen/Ying Wei</td>
<td>Metaanalysis—New Software for Computing Treatment Effects, Running Analyses, and Creating Forest Plots</td>
</tr>
<tr>
<td>1:00 p.m.–2:45 p.m.</td>
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<tr>
<td></td>
<td>CE_34T</td>
<td>Dan Steinberg/Mikhail Golovnya</td>
<td>Design and Analysis of Experiments Using the ADX Interface in SAS Software</td>
</tr>
<tr>
<td>1:00 p.m.–2:45 p.m.</td>
<td></td>
<td></td>
<td>From Software to Solutions in Statistics and Risk Analysis</td>
</tr>
<tr>
<td></td>
<td>CE_35T</td>
<td>Michael Borenstein/Hannah R. Rothstein</td>
<td>How the Dynamic Manipulation Capabilities of Fathom 2 Can Improve Students’ Learning Experiences in Intro Stats and Stats II Courses</td>
</tr>
<tr>
<td>1:00 p.m.–2:45 p.m.</td>
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<td></td>
<td>CE_36T</td>
<td>Sharad Prabhu</td>
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<td>3:00 p.m.–4:45 p.m.</td>
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<td></td>
<td>CE_37T</td>
<td>Shawn Harahush</td>
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<td>3:00 p.m.–4:45 p.m.</td>
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<td></td>
<td>CE_38T</td>
<td>William F. Finzer/Robin H. Lock</td>
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Are you nearing graduation and wondering about entry-level jobs?
Are you an experienced statistics professional interested in career information?

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The JSM Career Placement Service offers a full-service recruiting facility, including online registration, private interview booths, and an onsite computerized message center. Each year, hundreds of qualified applicants look to the JSM Placement Service to begin or further their careers in statistics. If you are an employer with statistical job openings or a statistician looking for a first or new job, the JSM Placement Service is here to help! Please see page 20 for hours of operation.

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Biostat, Inc., Englewood, NJ

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Bureau of Labor Statistics, Washington, DC
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COMSYS, Portage, MI
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Cambridge University Press, New York, NY
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Data Description is demonstrating Data Desk 7. This version supports direct attachment to databases, offers tools for customization, provides a cleaner interface, and offers new tools for exploring and modeling data. The company also is demonstrating all of its multimedia courses including, ActivStats, ActivEpi, and ProgramLive.

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IRS, Statistics of Income, Washington, DC 304
The Statistics of Income (SOI) Division produces data files compiled from tax and information returns filed with the Internal Revenue Service. There is a wealth of information about the financial composition of individuals, business taxpayers, tax-exempt organizations, and more, available through publications, electronic databases, and the IRS web site.

Insightful Corporation, Seattle, WA 306, 308
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Institute of Mathematical Statistics, Beachwood, OH 115
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Intelligent Results, Inc., provides customer analytics that maximize profits and generate unprecedented insight for organizations spanning industries. By integrating all customer interactions and data, applying advanced data mining, and providing the power to build more accurate, timely, and relevant models, Intelligent Results, Inc., drives businesses to new levels of analytic performance.
JMP, a business unit of SAS, Cary, NC 100, 102
Learn how JMP software can help your organization make significant process improvements that increase the efficiency of doing business and give you a competitive edge. JMP links statistics with graphics to interactively explore, understand, and visualize data, providing statistical tools, DOE, and Statistical Quality Control in a single package.

JSM 2006 Seattle, Alexandria, VA 704
Visit the Seattle booth in the Exhibit Hall and find out more about “Statistics for an Uncertain World: Meeting Global Challenges.” Get information about the conference hotels and registration costs and learn more about Seattle.

Johnson & Johnson Family of Companies, New Brunswick, NJ 118
Johnson & Johnson develops treatments that improve the health and lifestyles of people worldwide. Research and development areas encompass novel targets in neurologic disorders, gastroenterology, oncology, infectious disease, diabetes, hematology, metabolic disorders, immunologic disorders, and reproductive medicine.

Kelly Scientific Resources, Troy, MI 706
Kelly Scientific Resources is a leading clinical research solutions provider and part of the Kelly Services global service network. Their specialize in delivering the highest quality support to their customers. Their specialty services include clinical research work-force augmentation, direct placement, project solutions, and outplacement at all levels.

Key College Publishing, Emeryville, CA 606
Dedicated to publishing bold alternatives to traditional mathematics, Key College Publishing offers the most dynamic courseware in undergraduate mathematics and statistics and mathematics education. They offer textbooks, instructor resources, and electronic learning solutions as well as the widely acclaimed Developing Mathematics Series (COMAP). Visit them at www.keycollege.com.

Kforce Clinical Research Staffing, Tampa, FL 416
Kforce Clinical Research Staffing provides functional outsourcing alternatives and traditional staffing services for the bio-pharma industries, including monitoring, clinical trial management, project management, drug safety, data management, SAS™ programming, biostats, and data entry for Phases I-IV.

MacKichan Software, Poulsbo, WA 312
New! Scientific WorkPlace 5.5 simplifies writing, sharing, and doing mathematics. A click of a button allows you to typeset in LaTeX. The integrated computer algebra system lets you solve and plot equations; animate 2D and 3D plots; rotate, move, and fly through 3D plots; create 3D implicit plots; and more.

Math Alive and Applied, DeWitt, NY 716
Self-publisher of Math Alive and Applied and its accompanying solutions manual. This unique textbook, with a conversational writing style and sense of humor, covers finite math and calculus. It features many probability and statistics applications, computer usage, and innovative teaching methods. This instructional package is ideal for independent study.

McGraw-Hill/Irwin, Burr Ridge, FL 617
McGraw-Hill is the leading provider of textbooks and technology applications in higher education. Offering a wide range of high-quality and carefully reviewed materials to support your courses. McGraw-Hill is your best resource for student success. Start smart. Start with McGraw-Hill.

MedFocus, LLC., Des Plaines, IL 404
MedFocus offers clinical and scientific research contract outsourcing and staffing specifically to the pharmaceutical, biotechnology, and medical device industries. They specialize in the nationwide recruitment of clinical trials personnel and scientific/laboratory personnel. Please email requirements or résumés to dhands@medfocus.com.

Minnesota Population Center, Minneapolis, MN 515
The Minnesota Population Center (www.pop.umn.edu/index.shtml) is an inter-disciplinary cooperative for demographic research and a leading developer and disseminator of demographic data. The following datasets are available (or in production): IPUMS-USA, IPUMS-International, IPUMS-CPS, the National Historical Geographic Information System (NHGIS), the North Atlantic Population Project, and the Integrated Health Interview Survey.

NCSS, Kaysville, UT 201
PASS 2005—a new power analysis and sample size program with more than 60 new routines—will be shown. NCSS 2004 for statistical analysis and graphics. Come by and pick up a free demo.

National Center for Health Statistics, Hyattsville, MD 600
The NCHS exhibit will showcase the various NCHS programmatic areas with an emphasis on statistical research and methodology. The exhibit will allow attendees to view and acquire a host of publications, electronic products, and other promotional products.
The Caucus for Women in Statistics, in conjunction with the ASA, presents the 16th annual Gertrude Cox Scholarship Race at the Joint Statistical Meetings in Minneapolis, Minnesota. All proceeds will benefit the Gertrude M. Cox Scholarship in Statistics.

**The Race**: There will be two races running concurrently—a competitive 5K race and a 2.5K fun run/walk.

**When**: Tuesday, August 9, at 7:00 a.m.

**Where**: Location and logistical information will be posted at the caucus table on Level One of the Minneapolis Convention Center.

**How Much**: The entry fee is **$20.00**.

**Registration**: Those interested in participating are encouraged to register early. You may register during JSM at the hospitality table for the Caucus for Women in Statistics on Level One of the Minneapolis Convention Center, in the registration area. All participants must sign a registration form and waiver. T-shirts for all preregistered runners will be distributed at the race. If you have questions, please contact Lori Thombs at thombsl@missouri.edu or (573) 882-3844.

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**REGISTRATION FORM** *(each participant must complete and sign form)*

Name _______________________________________________________________

Address ______________________________________________________________ City _______________________________________

State/Province __________________________________ Zip/Postal Code ______________ Phone ____________________________

Sex       ☐ M       ☐ F       Age __________________

Event      ☐ 5K Race      ☐ 2.5K Fun Run/Walk

T-shirt size       ☐ S       ☐ M       ☐ L       ☐ XL

**The fine print.** I understand that running a road race is a potentially hazardous activity. I will not enter and run unless I am medically able and properly trained. I agree to abide by any decision of a race official relative to my ability to complete the run safely. I assume all risks associated with running in this event, including, but not limited to, falls; contact with other participants; and effects of weather, traffic, and course conditions. All such risks are known and appreciated by me. Having read this waiver, knowing these facts, and in consideration of your accepting my entry, I, for myself and anyone entitled to act on my behalf, waive and release the race directors, the race committee, and all sponsors from all claims of liabilities of any kind arising out of my participation in this event, even though such liability may arise as a result of negligence or carelessness on the part of the persons named in this waiver.

Signature __________________________________________________________ Date ____________________________

Parent or guardian (if under 18) __________________________________________ Date ____________________________

Make check payable to **The Gertrude Cox Scholarship Fund**. Please return this form along with your check to Lori Thombs, Race Organizer, Department of Statistics, University of Missouri, Middlebush 146, Columbia, MO 65211, or fax to (573) 884-5524.
Novartis Pharmaceuticals Corporation, East Hanover, NJ  417
Novartis Pharmaceuticals Corporation researches, develops, manufactures, and markets leading innovative prescription drugs used to treat a number of diseases and conditions, including central nervous system disorders, organ transplantation, cardiovascular diseases, dermatological diseases, respiratory disorders, cancer, and arthritis. The company’s mission is to improve people’s lives by pioneering novel health care solutions.

Oxford University Press, New York, NY  203, 205
Oxford University Press is the oldest publisher in the English language and known throughout the world for the quality of their publications. A department of Oxford University, OUP publishes more than 4,000 titles and 150 journals a year. Stop by their booth and save 20% on all titles on display. Visit them at www.oup.com/us.

Palisade Corporation, Ithaca, NY  316
Palisade Corporation has been a leading provider of risk analysis, decision analysis, optimization, and data analysis software since 1984. In 2003, Palisade released StatTools—a statistical analysis add-in for Microsoft Excel. StatTools replaces Excel’s statistics functions with a robust and accurate set of statistical analysis procedures and routines.

Pfizer Global Research and Development, New London, CT  602, 604
Pfizer Global Research and Development’s discovery and development division is one of the finest pharmaceutical research institutions in the world. Pfizer discovers and delivers medicines to enhance the health of people and animals. Their search for new treatments spans research projects across multiple therapeutic areas—more than any other.

Placemart Personnel Service, Tinton Falls, NJ  712
Placemart Personnel Service specializes in executive search services in clinical drug and medical product R&D. For more than 39 years, they have been matching jobs and job candidates in Biostatistics. Typical positions include directors, managers, project managers, group leaders, biostatisticians, data analysts, and statistical programmers. For additional details, visit www.placemart.com.

Prentice Hall, Upper Saddle River, NJ  601, 603
Prentice Hall will display statistics textbooks ranging from the introductory level, such as Agresti/Franklin’s Statistics (preliminary edition) and McClave/Sincich’s Statistics, 10E, to more advanced and specialized course texts, such as Epstein’s Medical Image Processing, and Hogg/Tanis’ Probability and Statistical Inference, 7E.

Project Euclid/Cornell University Library, Ithaca, NY  113
Project Euclid is a user-centered online publishing service designed specifically for the effective and affordable distribution of serial literature in mathematics and statistics. Project Euclid addresses the unique needs of independent and society journals through a collaborative partnership with scholarly publishers, professional societies, and academic libraries.

Publishers’ Book Display, Alexandria, VA  702
Visit the Publishers’ Book Display booth to review books and literature from publishers unable to attend this year’s JSM. Discounted order forms will be available.

RTI International, RTP, NC  200, 202
For 46 years, RTI statisticians have developed and applied scientifically-accepted statistical methodologies to address national and global public policy issues. One of the tools developed and distributed by RTI is the internationally recognized SUDAAN statistical software package, which provides various procedures for analyzing survey and other cluster-correlated data.

Resampling Stats, Inc., Arlington, VA  116
Software for resampling and data mining: Resampling Stats (standalone and Excel add-in) XLMiner (data mining add-in for Excel with classification and regression trees, neural nets, clustering, k-nearest-neighbor classifier, Bayesian classifier, logistic regression, multiple regression, discriminant analysis, association rules, principal components, automatic partitioning into training, validation, and test data).

SAS Education, Cary, NC  110
SAS Higher Education Consulting works with universities and community colleges to provide curriculum consulting, academic trainer’s kits, and other partnering opportunities, www.sas.com/services/index.html. The Design and Institute for Six Sigma, from SAS, provides extensive Six Sigma training, consulting, and mentoring services for transactional or production-based organizations, support.sas.com/diffss. To explore SAS Higher Education Consulting and SAS’ Design Institute for Six Sigma, visit Booth 110.

SAS Institute, Cary, NC  101, 103, 105
SAS will exhibit its analytical software for statistics, data mining, econometrics, and statistical quality control. Please visit their booth and learn about statistical graphics directions and new downloadable software for quantile regression and generalized linear mixed model analysis.

Visit Booth 104 to learn more about
• SAVING 20% on orders placed or mailed by September 15
• New SAS Documentation titles
• New SAS Press titles
• SAS® Learning Edition 2.0
• SAS® Self-Paced e-Learning
• SAS Certification.
SAS® staff is available to answer any questions.
SiAM-Society for Industrial & Applied Mathematics, Philadelphia, PA
Visit their booth to see new publications. SIAM was organized in 1951 to:
• Advance the application of mathematics to science and industry;
• Promote mathematical research for new methods and techniques; and
• Provide media for the exchange of information and ideas among mathematicians, engineers, and scientists.

◆ SPSS Inc., Chicago, IL
SPSS Inc. is a provider of predictive analytics technology and services. The company’s predictive analytics technology connects data to effective action by drawing reliable conclusions about current conditions and future events. More than 250,000 customers rely on SPSS technology to help increase revenue, reduce costs, improve processes, and detect and prevent fraud.

Sage Publications, Thousand Oaks, CA
Celebrating 40 years of global publishing, Sage Publications provides journals, books, and electronic media of the highest caliber. Please stop by their booth or visit them at www.sagepub.com to review their publications and/or discuss publishing ideas.

Salford Systems, San Diego, CA
Salford Systems develops advanced statistical and data mining software, including the CART® decision tree, MARS® non-linear automated regression, TreeNet™ boosted decision trees, and Random Forests™. Salford Systems strives to make the best academic research easily usable by the practicing data analyst and has recently won several distinguished international honors.

◆ Smith Hanley, New York, NY
Their two divisions, permanent placement and contract staffing, offer targeted recruitment in statistics, biostatistics, SAS programming, data management, market research, health outcomes and epidemiology. Since 1980, they’ve provided clients and recruits, dedicated service, experience, and insight into industry trends for positions at all levels. Visit them at www.smithhanley.com and www.smithhanley-consulting.com.

South-Western, Thomson Learning, Belmont, CA
Thomson Learning/South-Western strives to provide the material needed to make statistics relevant and interesting to students as they prepare for the world of work. As the top business publisher they can help with the highest quality print and technology offerings for undergraduate and graduate statistics and management science courses.

◆ Springer, New York, NY
Springer is one of the most renowned scientific publishing companies in the world. Its publications cover subjects ranging from the natural sciences, mathematics, engineering, and computer science to medicine, humanities, economics, and law. Springer publishes more than 3,400 new books each year and 1,250 journals, most of which also are available in electronic form.

Stat-Ease, Inc., Minneapolis, MN
Stat-Ease, Inc., produces two easy-to-use Windows programs for design of experiments (DOE), including Design-Ease® software for finding breakthrough factors and Design-Expert® software for optimization. The company also offers computer-intensive DOE workshops, including Experiment Design Made Easy, Response Surface Methods for Process Optimization, and Mixture Design for Optimal Formulations.

★ StatPoint, Inc., Orlean, VA
The next generation of statistical software, STATGRAPHICS Centurion XV from StatPoint, Inc. Entirely redesigned with a dynamic new interface, more than 150 new procedures and robust functionality. Powerful and intuitive, yet still the leader in ease of use. Visit www.statgraphics.com for demo. STATGRAPHICS Centurion XV...the stat package “you wish you had.”

StatSoft, Inc., Tulsa, OK
StatSoft, Inc., creators of STATISTICA, is one of the largest developers of enterprise-wide and single-user software for data analysis, data mining, and quality control worldwide. STATISTICA has received the highest rating in EVERY comparative review of statistics software since its first release (1993)—a record unmatched in the industry.

Statistical Society of Canada, Ottawa, ON
The Statistical Society of Canada’s mission is to encourage the development and use of statistics and probability in Canada. It is the Canadian equivalent of the American Statistical Association. The Statistical Society of Canada also offers two levels of accreditation, the Professional Statistician (P.Stat.) and the Associate Statistician (A.Stat).

Statistical Solutions, Saugus, MA
Specializing in niche statistical software development and distribution, including nQuery Advisor Sample Size & Power Determination, Solas for missing data analysis, offering six imputation techniques, EquivTest for equivalence and bioequivalence studies; Patient Profiles to create individual patient reports tracking history, and AE.
Systat Software, Inc., Richmond, CA 117
Systat Software, Inc., provides specialized scientific software products and services for the environment sciences, life sciences, behavioral sciences, medical research, and engineering. Their products are used by the world’s top companies, research centers, and universities and now include SigmaPlot, SigmaStat, SigmaScan, SYSTAT, TableCurve2D, TableCurve3D, PeakFit, and AutoSignal.

The Cambridge Group Ltd., Westport, CT 612
The Cambridge Group Ltd. focuses on careers in biostatistics, clinical data management, clinical systems, SAS programmers and more. Opportunities range from entry level through senior and executive levels for both permanent and contract positions in the pharmaceutical and biotechnology industries. The Cambridge Group Ltd., 1175 Post Road East, Westport, CT 06880; email: biostat@cambridgegroup.com; phone: (800) 525-3396.

U.S. Census Bureau, Washington, DC 514, 516
For more than 100 years, the U.S. Census Bureau has been the preeminent collector and provider of quality data for the United States. Materials include print, CD/DVDs, and www.census.gov which contains the American FactFinder data access tool; the Statistical Abstract; and links to Census Bureau programs, products, and more.

U.S. Centers for Disease Control and Prevention, Atlanta, GA 212
The U.S. Centers for Disease Control and Prevention is one of the 13 major operating components of the U.S. Department of Health and Human Services, which is the principal agency in the United States government for protecting the health and safety of all Americans and for providing essential human services.

U.S. Department of Education—Institute of Education Sciences (IES), Washington, DC 513
IES is the research evaluation and statistics-gathering arm of the U.S. Department of Education.

USDA/NASS, Washington, DC 400
The National Agricultural Statistics Service is a world leader in sampling, data collection, and estimation procedures for economic, environmental, and agricultural surveys and censuses. The agency also creates a number of remote sensing and geographic information system statistical products and conducts ongoing applied research on statistical methodology and estimation approaches.

Visual Numerics, Inc., San Ramon, CA 204
Visual Numerics has provided analysis and visualization software to academia on platforms such as C, .NET, Java, and FORTRAN for decades. It delivers tools for conducting research and building curricula for students; the unique combination of the IMSL Libraries, PV-WAVE, and expert professional services is unsurpassed for analytical applications.

W.H. Freeman & Company, New York, NY 303, 305
W.H. Freeman & Company is noted for their outstanding publications and software in statistics. Visit their booth to peruse their texts for general statistics, business statistics, probability and statistics, design of experiments, and Advance Placement.

Wiley, Hoboken, NJ 709, 711, 713, 715
John Wiley & Sons, Inc., (www.wiley.com/statistics) provides state-of-the-art scientific information, including world-class journals (Statistics in Medicine) and superior texts and references (Statistics for Experimenters, 2e; Encyclopedia of Biostatistics, 2e; and Encyclopedia of Statistical Science, 2e). Visit the Wiley booth to save on books and discover electronic products on Wiley InterScience.

Want To See the Twin Cities?
It’s not too late to sign up for a tour!

See the JSM Registration Desk for prices and availability.
Our commitment to serving patients lies at the heart of Amgen’s success. As a leading human therapeutics company in the biotechnology industry, we discover, develop, manufacture and market therapies upon which thousands of people rely. And thousands of highly committed individuals from across the professional spectrum are involved in the complex, multifaceted process that takes an idea out of the laboratory and lets us bring it, in the form of a needed therapy, to patients. Bring your sense of commitment to Amgen and be part of this extraordinary process. • To apply and learn more, visit: www.amgen.com/careers.

As an EEO/AA employer, Amgen values a diverse combination of perspectives and cultures. M/F/D/V.

Please visit us at Booth #414

PRINCIPAL BIOSTATISTICIAN
This position is generally a lead statistician on multiple studies in one drug development program, and requires 6-8 years of experience with a Master’s or 4-6 years with a Doctorate.

SENIOR BIOSTATISTICIAN
This position generally serves as lead statistician on one study, and requires 2 years of experience with a Master’s or 0-1 year of experience with a Doctorate.

BIOSTATISTICIAN
This position’s primary duties include protocols, analysis plans and analyses under the direction of an experienced statistician. This position requires 0-1 year of experience.

STATISTICAL PROGRAMMER
Program tables, listings and figures in SAS UNIX environment. The experience requirement for this position is 0-8 years or more, depending on the starting level.

To learn more about these positions, please visit us online at www.amgen.com/careers or contact Steve Borowski, Senior Staffing Consultant, at borowski@amgen.com

Dramatically Improving People’s Lives
Session Tag Descriptions

We expect both Theme and Applied sessions to draw a diverse audience.

**THEME ✆**
JSM Theme sessions are directly relevant to the 2005 JSM theme, “Using our discipline to enhance human welfare.” These sessions highlight presentations and discussions on forward-looking topics that could impact the future of statistics. Theme sessions are designed to expand the frontiers of statistical thought, emphasize new directions, and promote interdisciplinary collaborations and partnerships.

**APPLIED ✦**
JSM Applied sessions have real applications at the heart of the discussions and presentations. Because these sessions are grounded in applications across the many areas of science and engineering, they may involve interdisciplinary work and include presentations by nonstatisticians. Applied sessions vary in scope, ranging from presentations on state-of-the-art statistical methodology applied to real-world problems to those that are tutorial in nature. All statisticians should find these sessions appealing.

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**THURSDAY, AUGUST 4**

**Committee/Business Meetings & Other Activities**

5:00 p.m.–6:15 p.m. H-Director’s Row 1
The ASA Management Review Committee (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

6:30 p.m.–9:30 p.m. H-Director’s Row 1
The ASA Joint Budget and Planning Committees Working Dinner (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

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**FRIDAY, AUGUST 5**

**Committee/Business Meetings & Other Activities**

7:30 a.m.–10:45 a.m. HY-Skyway Suite A
The ASA Executive Committee (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

11:00 a.m.–6:30 p.m. HY-Mirage Room
The ASA Board of Directors (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

12:00 p.m.–1:30 p.m. HY-Skyway Suite B
The ASA Board of Directors Lunch (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

6:30 p.m.–7:30 p.m. H-Imperial Suite
JSM Staff and the ASA Board Reception (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago; William B. Smith, The ASA

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**SATURDAY, AUGUST 6**

**Tours**

6:00 p.m. Off Property-Hubert H. Humphrey Metrodome TR01 - Minnesota Twins Baseball Game
### Committee/Business Meetings & Other Activities

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<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
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<td>MCC-Level 1, Registration Lobby</td>
<td>JSM Main Registration</td>
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<tr>
<td>7:00 a.m.–6:00 p.m.</td>
<td>MCC-204 A</td>
<td>Speaker Work Room</td>
</tr>
<tr>
<td>7:00 a.m.–6:00 p.m.</td>
<td>MCC-204 B</td>
<td>Speaker Work Room</td>
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<tr>
<td>7:00 a.m.–11:00 p.m.</td>
<td>MCC-Level 1, Registration Lobby</td>
<td>Cyber Café and Message Center</td>
</tr>
<tr>
<td>7:45 a.m.–9:00 a.m.</td>
<td>HY-Skyway Suite B</td>
<td>The ASA Board of Directors Breakfast (closed)</td>
</tr>
<tr>
<td>11:30 a.m.–12:30 p.m.</td>
<td>H-Director's Row 4</td>
<td>Association of GCRC Statisticians Lunch (closed)</td>
</tr>
<tr>
<td>12:00 p.m.–1:00 p.m.</td>
<td>HY-Skyway Suite B</td>
<td>The ASA Board of Directors Lunch (closed)</td>
</tr>
<tr>
<td>12:00 p.m.–5:00 p.m.</td>
<td>MCC-Level 1, Registration Lobby</td>
<td>Minneapolis Restaurant Reservations Desk</td>
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<tr>
<td>12:00 p.m.–5:00 p.m.</td>
<td>MCC-Exhibit Hall C</td>
<td>Exhibitor Move in and Lounge</td>
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<tr>
<td>12:00 p.m.–5:00 p.m.</td>
<td>MCC-Exhibit Hall C</td>
<td>Career Placement Service (electronic registration Only)</td>
</tr>
<tr>
<td>12:00 p.m.–5:00 p.m.</td>
<td>HY-Lake of the Isles</td>
<td>IMS Executive Committee Meeting (closed)</td>
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<tr>
<td>12:30 p.m.–5:30 p.m.</td>
<td>H-Duluth</td>
<td>Association of GCRC Statisticians Meeting (closed)</td>
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### Continuing Education (Fee Events)

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<tr>
<th>Time</th>
<th>Location</th>
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<tr>
<td>CE_01C 8:00 a.m.–4:00 p.m.</td>
<td>MCC-101 I</td>
<td>Analysis of Gene Expression Data—2 Day Course</td>
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<tr>
<td>CE_02C 8:00 a.m.–4:00 p.m.</td>
<td>MCC-101 G</td>
<td>Bayesian Clinical Trial Design—Approaches and Implementation</td>
</tr>
<tr>
<td>CE_03C 8:00 a.m.–4:00 p.m.</td>
<td>MCC-101 F</td>
<td>Bayesian Methods for Multivariate Regression: Variable Selection and Covariance Selection Models</td>
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<tr>
<td>CE_04C 8:00 a.m.–4:00 p.m.</td>
<td>MCC-101 J</td>
<td>Introduction to Statistical Methods in Human Genetics</td>
</tr>
<tr>
<td>CE_05C 8:15 a.m.–4:15 p.m.</td>
<td>MCC-101 A</td>
<td>Extending the Cox Model</td>
</tr>
<tr>
<td>CE_06C 8:15 a.m.–4:15 p.m.</td>
<td>MCC-101 C</td>
<td>Adaptive Sampling</td>
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SUNDAY, AUGUST 7

Tour Schedule

9:30 a.m.–3:30 p.m.   MCC-Main Entrance, 2nd Avenue
TR02 - Stillwater Tour

1:00 p.m.–4:00 p.m.   MCC-Main Entrance, 2nd Avenue
TR03 - Twin Cities Highlights

Committee/Business Meetings & Other Activities

7:00 a.m.–6:00 p.m.   MCC-204 A
Speaker Work Room

7:00 a.m.–6:00 p.m.   MCC-204 B
Speaker Work Room

7:00 a.m.–6:00 p.m.   MCC-Level 1, Registration Lobby
JSM Main Registration
The ASA Communities Booth
Special Assistance and Press Desk

7:00 a.m.–11:00 p.m.  MCC-Level 1, Registration Lobby
Cyber Café and Message Center

7:15 a.m.–8:00 a.m.   H-Director’s Row 4
Association of GCRC Statisticians Breakfast (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

7:30 a.m.–10:30 a.m.  H-Redwing Room
Committee on Women in Statistics (closed)
Chair(s): Elizabeth Margosches, U.S. Environmental Protection Agency

8:00 a.m.–11:30 a.m.  MCC-Exhibit Hall C
Exhibitor Move-in

8:00 a.m.–12:00 p.m.  MCC-L100 H
Advisory Committee on Teacher Enhancement (closed)
Chair(s): Thomas H. Short, Indiana University of Pennsylvania

8:00 a.m.–12:00 p.m.  H-Duluth
Association of GCRC Statisticians Meeting (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

8:00 a.m.–12:30 p.m.  H-Director’s Row 1
Committee on Publications (closed)
Chair(s): William Q. Meeker, Iowa State University

8:00 a.m.–6:00 p.m.   MCC-Exhibit Hall C
Exhibitor Lounge

9:00 a.m.–11:30 a.m.  MCC-207 B
International Conference on Establishment Surveys (ICES) III Organizing Committee (closed)
Chair(s): Howard R. Hogan, U.S. Census Bureau

9:00 a.m.–12:00 p.m.  H-Board Room 2
Council of Sections Governing Board Meeting (closed)
Chair(s): E. Jacquelin Dietz, Meredith College

9:00 a.m.–5:00 p.m.   H-Redwing Room
The Caucus for Women in Statistics Executive Committee Meeting (closed)
Organizer(s): Julia Bienias, Rush University Medical Center

10:00 a.m.–2:00 p.m.  MCC-206 A
Committee on Meetings (closed)
Chair(s): Kim McGuigan, Pfizer, Inc.

10:00 a.m.–6:00 p.m.  MCC-206 B
Committee on Committees Meeting (closed)
Chair(s): Darryl J. Downing, GlaxoSmithKline

11:30 a.m.–1:00 p.m.  MCC-206 B
Statistica Sinica Editorial Board Meeting (closed)
Organizer(s): Michelle Liou, Institute of Statistical Science, Academia Sinica; Xiao-Li Meng, Harvard University

8:00 a.m.–12:00 p.m.  MCC-101 E
Regression Modeling Strategies
The ASA
Instructor(s): Frank E. Harrell, Jr., Vanderbilt University
12:00 p.m.–1:00 p.m.  
**H-Director’s Row 4**  
**Association of GCRC Statisticians Lunch (closed)**  
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

12:00 p.m.–1:45 p.m.  
**MCC-102 A**  
**Friends of the Indian Statistical Institute**  
Organizer(s): Nitis Mukhopadhyay, University of Connecticut

12:00 p.m.–2:00 p.m.  
**MCC-207 A**  
**Journal of Statistics Education Editorial Board (closed)**  
Chair(s): W. Robert. Stephenson, Iowa State University

12:00 p.m.–3:00 p.m.  
**MCC-207 B**  
**Senior Statistician Task Force (closed)**  
Chair(s): Gladys Reynolds, U.S. Centers for Disease Control and Prevention

1:00 p.m.–6:00 p.m.  
**MCC-Exhibit Hall C**  
**Career Placement Service (full Placement Service open)**

1:00 p.m.–6:00 p.m.  
**MCC-Exhibit Hall C**  
**The ASA Membership Booth #700**

1:00 p.m.–6:00 p.m.  
**MCC-Exhibit Hall C**  
**EXPO 2005**

1:30 p.m.–4:00 p.m.  
**H-Rochester**  
**Council of Sections Annual Business Meeting (closed)**  
Chair(s): E. Jacquelin Dietz, Meredith College

4:00 p.m.–6:30 p.m.  
**MCC-102 C**  
**Career Development Seminar—Communicating, Negotiating, and Gaining Influence: How Statisticians Can Be Successful in the Office and in the Classroom**  
Chair(s): Janice Lent, U.S. Department of Transportation

4:30 p.m.–5:30 p.m.  
**MCC-L100 I**  
**2005 and 2006 Committee Chairs Meeting (closed)**  
Chair(s): Daryl J. Downing, GlaxoSmithKline

4:30 p.m.–7:30 p.m.  
**MCC-206 A**  
**ENAR Executive Committee (closed—by invitation only)**  
Organizer(s): Kathy Hoskins, ENAR

5:00 p.m.–6:30 p.m.  
**H-Director’s Row 2**  
**Council of Sections Chairs, Treasurers, and New Section Representatives (closed)**  
Chair(s): E. Jacquelin Dietz, Meredith College

5:00 p.m.–7:30 p.m.  
**MCC-L100 B**  
**International Chinese Statistical Association (ICSA) Board Meeting (closed)**  
Organizer(s): Ivan S. F. Chan, Merck Research Laboratories

5:30 p.m.–7:00 p.m.  
**MCC-207 B**  
**Committee on Scientific Freedom and Human Rights**  
Chair(s): Patrick Ball, The Benetech Initiative; Susan M. Hinkins, NORC at the University of Chicago

6:00 p.m.–7:30 p.m.  
**MCC-102 A**  
**The ASA Open Meeting**  
Chair(s): Fritz J. Scheuren, The University of Chicago

6:00 p.m.–7:30 p.m.  
**MCC-L100 F**  
**JSM First-time Attendee Orientation and Reception**  
Chair(s): Julia Bienias, Rush University Medical Center

6:00 p.m.–7:30 p.m.  
**MCC-L100 G**  
**Cancer Center Biostatistics Directors Meeting**  
Organizer(s): Terry Hyslop, Thomas Jefferson University

6:00 a.m.–7:30 p.m.  
**MCC-L100 E**  
**ICHPR Planning Committee Meeting**  
Chair(s): Arlene Ash, Boston University; Thomas R. Belin, University of California, Los Angeles

6:00 p.m.–8:00 p.m.  
**Off Property**  
**Section on Survey Research Methods Executive Committee Meeting (closed)**  
Chair(s): Sarah Nusser, Iowa State University

6:00 p.m.–8:00 p.m.  
**MCC-207 A**  
**Section on Statistics and the Environment Executive Committee Meeting (closed)**  
Chair(s): Jean D. Opsomer, Iowa State University

6:00 p.m.–10:00 p.m.  
**HY-Skyway Suite A&B**  
**IMS 1st Council Meeting and Dinner**  
Organizer(s): Elyse Gustafson, Institute of Mathematical Statistics

6:30 p.m.–8:30 p.m.  
**Off Property**  
**Section on Statistical Consulting Executive Committee (closed)**  
Organizer(s): Susan Devlin, The Artemis Group
GENERAL PROGRAM SCHEDULE

6:30 p.m.–9:30 p.m.  MCC-206 B
Biometrics Section Executive Committee
Meeting (closed)
Chair(s): Marie Davidian, North Carolina State University

7:00 p.m.–8:00 p.m.  MCC-L100 D
ACCE Presenter Social (by invitation only)
Chair(s): Nandini Kannan, The University of Texas at San Antonio

7:00 p.m.–9:00 p.m.  MCC-102 B
Isolated Statisticians
Organizer(s): Ann Cannon, Cornell College

8:00 p.m.–10:30 p.m.  MCC-Seasons and Bridge
JSM Opening Mixer (included in registration fee)

Continuing Education (Fee Events)

CE_01C  MCC-101 I
8:00 a.m.–4:00 p.m.
Analysis of Gene Expression Data—2 Day Course
The ASA
Instructor(s): Terence P. Speed, University of California, Berkeley; Benjamin M. Bolstad, University of California, Berkeley; Yee Hwa Jean Yang, University of California, San Francisco; James Wettenhall, Walter and Eliza Hall Institute of Medical Research

CE_08C  MCC-L100 G
8:00 a.m.–4:00 p.m.
Adaptive Bayesian Clinical Trials
The ASA, Section on Bayesian Statistical Science, Biopharmaceutical Section
Instructor(s): Scott M. Berry, Berry Consultants LLC; Donald A. Berry, The University of Texas M. D. Anderson Cancer Center

CE_09C  MCC-L100 J
8:00 a.m.–4:00 p.m.
Design and Analysis of Cluster Randomization Trials
The ASA, Biometrics Section
Instructor(s): Allan Donner, The University of Western Ontario; Neil S. Klar, Cancer Care Ontario

CE_10C  MCC-L100 A
8:15 a.m.–4:15 p.m.
Multiple Uses of Multiple Imputation
The ASA, Section on Survey Research Methods
Instructor(s): Donald B. Rubin, Harvard University; Trivellore Raghunathan, University of Michigan

CE_11C  MCC-L100 C
8:15 a.m.–4:15 p.m.
Models for Repeated Discrete Data (2004 Excellence-in-CE Award Winner)
The ASA
Instructor(s): Geert Verbeke, Katholieke Universiteit Leuven; Geert Molenberghs, Limburgs Universitair Centrum

CE_12C  MCC-L100 E
1:00 p.m.–5:00 p.m.
Bootstrap Methods and Permutation Tests for Doing and Teaching Statistics
The ASA, Section on Statistical Computing, Section on Statistical Education
Instructor(s): Tim C. Hesterberg, Insightful Corp.

Invited Sessions 2:00 p.m.–3:50 p.m.

1
MCC-205 A
Bayesian Methods in Cancer Research—Invited
Biopharmaceutical Section, Section on Bayesian Statistical Science, ENAR, WNAR, Biometrics Section
Organizer(s): Samiran Sinha, Texas A&M University
Chair(s): Samiran Sinha, Texas A&M University

2:05 p.m.  Bivariate Bayesian Neural Networks for Prostate Cancer Study—Malay Ghosh, University of Florida; Sounak Chakraborty, University of Florida; Tapabrata Maiti, Iowa State University

2:30 p.m.  Toward Automating RJ: a Hierarchial Mixture Model for Protein Spectra—Peter Mueller, The University of Texas M. D. Anderson Cancer Center; Kim-Anh Do, The University of Texas M. D. Anderson Cancer Center; Raj Banyopadhyay, Rice University; Keith Bagggerly, The University of Texas M. D. Anderson Cancer Center

2:55 p.m.  Assessing the Probability That a Positive or Negative Report Is False—Sholom Wacholder, National Cancer Institute

3:20 p.m.  Bayesian Sequential Design for Case-control Studies—Bhramar Mukherjee, University of Florida

3:45 p.m.  Floor Discussion
2 MCC-200 ABC
NIH Biostatistical Method and Training Grant Applications, Reviews, and Funding Opportunities—Invited
Biometrics Section, ENAR, WNAR
Organizer(s): Xihong Lin, Harvard University
Chair(s): Marie Davidian, North Carolina State University
2:05 p.m. The Grant Review Process at NIH—Louise Ryan, Harvard University
2:30 p.m. NIH Support for Predoctoral Training and Research in Biostatistics—John Whitmarsh, National Institutes of Health
2:55 p.m. NIH Funding Mechanisms and Biostatistics Grants Portfolio of NCI—Ram C. Tiwari, National Cancer Institute
3:20 p.m. Winning an NIH Grant: a Reviewer’s Perspective—Louise Ryan, Harvard University
3:45 p.m. Floor Discussion

3 MCC-200 DE
Review Paper Highlights—Invited
JASA, Reviews
Organizer(s): Russell V. Lenth, The University of Iowa
Chair(s): Russell V. Lenth, The University of Iowa
2:05 p.m. Membership Functions and Probability Measures of Fuzzy Sets—Nozer D. Singpurwalla, George Washington University
2:50 p.m. The Price of Kaplan-Meier—Theodore G. Karrison, The University of Chicago; Paul Meier, Columbia University; Rick Chappell, University of Wisconsin, Madison; Hui Xie, Boston University
3:35 p.m. Floor Discussion

4 MCC-208 D
Statistical Methods for Gene-environmental Interaction Studies—Invited
Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section
Organizer(s): Colin Wu, National Heart, Lung, and Blood Institute; Gang Zheng, National Heart, Lung, and Blood Institute
Chair(s): Colin Wu, National Heart, Lung, and Blood Institute
2:05 p.m. A Statistical Method for Adjusting Covariates in Linkage Analysis with Sib Pairs—Gang Zheng, National Heart, Lung, and Blood Institute; Colín Wu, National Heart, Lung, and Blood Institute; Eric Leifer, National Heart, Lung, and Blood Institute; Dean Follmann, National Institute of Allergy and Infectious Diseases; Jing-Ping Lin, National Heart, Lung, and Blood Institute
2:30 p.m. Sequential Multiple Decision Procedures (SMDP) To Screen and Validate Signals in Genome-wide Association Scans—Michael A. Province, Washington University School of Medicine; Qunyuan Zhang, Washington University School of Medicine
2:55 p.m. Regional Admixture Mapping (RAM) and Structured Association Testing (SAT): a Unified Framework—David B. Allison, University of Alabama at Birmingham; David T. Redden, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham; José R. Fernández, University of Alabama at Birmingham; Hemant Tiwari, University of Alabama at Birmingham; Jasmin Divers, University of Alabama at Birmingham; Robert P. Kimberly, University of Alabama at Birmingham
3:20 p.m. Strategies for Gene-by-intervention Association Analysis of SNP Data—M. Daniele Fallin, Johns Hopkins University; Rasika Mathias, National Human Genome Research Institute; Alexander Wilson, National Human Genome Research Institute; Enrique Herrera, Johns Hopkins School of Medicine; Lisa Yanek, Johns Hopkins School of Medicine; Diane Becker, Johns Hopkins School of Medicine; Nauder Faraday, Johns Hopkins School of Medicine; Lew Becker, Johns Hopkins School of Medicine
3:45 p.m. Floor Discussion
6  
**MCC-210 AB**

**Measurement Issues in Statistical Education—Invited**  
Section on Statistical Education  
Organizer(s): Jerome Reiter, Duke University  
Chair(s): Christine Kohnen, Duke University

- **2:05 p.m.** Assessing Effectiveness at the Program Level: Undergraduate Statistics Program Evaluation—**✦** Roxy Peck, California Polytechnic State University; Beth Chance, California Polytechnic State University

- **2:35 p.m.** Assessing and Fostering Transferable Knowledge—**✦** Marsha Lovett, Carnegie Mellon University

- **3:05 p.m.** What Do Students Remember from Statistics Class?—**✦** Leanna House, Duke University; Jerome Reiter, Duke University; Dalene Stangl, Duke University; David Banks, Duke University

- **3:05 p.m.** Disc: Dalene Stangl, Duke University

- **3:35 p.m.** Floor Discussion

7  
**MCC-103 D**

**Enabling Human Welfare through Large-scale Surveys: The Canadian Story—Invited**  
SSC, Business and Economics Statistics Section, Section on Survey Research Methods, Social Statistics Section  
Organizer(s): Changbao Wu, University of Waterloo  
Chair(s): Changbao Wu, University of Waterloo

- **2:05 p.m.** Uses of the NPHS in Examining Health Behavior Changes—**✦** Mary E. Thompson, University of Waterloo

- **2:30 p.m.** The Longitudinal Survey of Immigrants to Canada—**✦** Michelle Simard, Statistics Canada

- **2:55 p.m.** National Longitudinal Study of Children and Youth (NLSCY): Advancing the Life Quality of Children through Developmental Research in the General Population—**✦** Michael H. Boyle, McMaster University

- **3:20 p.m.** The Canadian Community Health Survey: Building on the Success from the Past—**✦** Yves Beland, Statistics Canada; Johane Dufour, Statistics Canada; Marc Hamel, Statistics Canada

- **3:45 p.m.** Floor Discussion

8  
**MCC-200 H**

**Visualization Methods in Homeland Security Applications—Invited**  
Section on Statistical Graphics, Section on Nonparametric Statistics, Section on Statisticians in Defense and National Security  
Organizer(s): Jeffrey L. Solka, Naval Surface Warfare Center, Dahlgren Division

- **Chair(s): Jeffrey L. Solka, Naval Surface Warfare Center, Dahlgren Division**

- **2:05 p.m.** Visualizing Login Sessions To Detect Masqueraders—**✦** David Marchette, Naval Surface Warfare Center, Dahlgren Division

- **2:35 p.m.** Challenges and Opportunities Raised by the Expert Panel for the National Visualization and Analytics Center—**✦** Daniel B. Carr, George Mason University

- **3:05 p.m.** Visual Analysis of Text Document Collections—**✦** Paul Whitney, Pacific Northwest National Laboratory

- **3:35 p.m.** Floor Discussion

9  
**MCC-103 E**

**Medallion Lecture 1—Invited**  
IMS  
Organizer(s): David Madigan, Rutgers, The State University of New Jersey  
Chair(s): Andrew Nobel, The University of North Carolina at Chapel Hill

- **2:05 p.m.** Information Theory and Risk Analysis for (nearly) Bayes Regression, Prediction, Density Estimation, and Machine Learning—**✦** Andrew Barron, Yale University

- **3:30 p.m.** Floor Discussion

10  
**MCC-208 C**

**Statistical Development in Cancer Screening and Early Detection—Invited**  
ENAR, Biopharmaceutical Section, WNAR, Biometrics Section  
Organizer(s): Yu Shen, The University of Texas M. D. Anderson Cancer Center  
Chair(s): Yu Shen, The University of Texas M. D. Anderson Cancer Center

- **2:05 p.m.** A Natural History Model for Prostate Cancer: Implications on Prevention and Screening Policies—**✦** Lurdes Y. T. Inoue, University of Washington; Ruth Ezioni, Fred Hutchinson Cancer Research Center; Christopher Morrell, Loyola College in Maryland; Peter Müller, The University of Texas M. D. Anderson Cancer Center

- **2:30 p.m.** Screening Studies and Natural History Models of Cancer—**✦** Paul Pinsky, National Cancer Institute

- **2:55 p.m.** Modeling and Estimation of Trends in Cancer Incidence and Mortality with Application to Prostate Cancer—**✦** Alex Tsodikov, University of California, Davis

- **3:20 p.m.** Forward and Backward Recurrence Times and Length-biased Sampling: Age-specific Models—**✦** Marvin Zelen, Harvard University

- **3:45 p.m.** Floor Discussion
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<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td><strong>11</strong></td>
<td>2:05 p.m.</td>
<td>Sensor Networks—Invited</td>
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<tr>
<td>Themed Session</td>
<td>MCC-200 F</td>
<td>IMS, Section on Statisticians in Defense and National Security, Section on Statistical Graphics</td>
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<td>Organizer(s): Bin Yu, University of California, Berkeley</td>
<td>Chair(s): Bin Yu, University of California, Berkeley</td>
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<td><strong>2:05 p.m.</strong> Call and Response: Experiments in Sampling the Environment—✦ Mark H. Hansen, University of California, Los Angeles</td>
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<td><strong>2:35 p.m.</strong> Distributed State Representation for Tracking Problems in Sensor Networks—✦ Juan Liu, Palo Alto Research Center; Maurice Chu, Palo Alto Research Center; James Reich, Palo Alto Research Center</td>
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<tr>
<td><strong>3:05 p.m.</strong> Distributed Localization in Sensor Networks Using Adaptive Multidimensional Scaling—Jose A. Costa, University of Michigan; Neal Patwari, University of Michigan; ✦ Alfred O. Hero, III, University of Michigan</td>
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<td><strong>3:35 p.m.</strong> Floor Discussion</td>
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<tr>
<td><strong>12</strong></td>
<td>2:05 p.m.</td>
<td>Metadata Management in Statistical Agencies—Invited</td>
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<tr>
<td>Themed Session</td>
<td>MCC-102 D</td>
<td>Section on Government Statistics, Social Statistics Section, Business and Economics Statistics Section</td>
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<tr>
<td><strong>2:05 p.m.</strong> Defining and Using Model-based Metadata for Statistical Concepts and Processes—✦ Peter Struijs, Statistics Netherlands; Robert Renssen, Statistics Netherlands; Ad Willeboordse, Statistics Netherlands</td>
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<td><strong>2:45 p.m.</strong> Recent Challenges in Metadata Management: Experience within Statistical Office of the Republic of Slovenia (SORS)—✦ Jozica Klep, Statistical Office of the Republic of Slovenia</td>
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<td><strong>3:05 p.m.</strong> Metadata Repository at Statistics Canada—✦ Paul Johanis, Statistics Canada</td>
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<td><strong>3:25 p.m.</strong> Disc: Bo Sundgren, Statistics Sweden</td>
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<td><strong>3:45 p.m.</strong> Floor Discussion</td>
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<td><strong>13</strong></td>
<td>2:05 p.m.</td>
<td>Recent Applications of Regression Spline Methodology—Invited</td>
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<td>Themed Session</td>
<td>MCC-212 AB</td>
<td>Section on Nonparametric Statistics, Business and Economics Statistics Section</td>
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<td>Organizer(s): Lijian Yang, Michigan State University</td>
<td>Chair(s): Lijian Yang, Michigan State University</td>
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<tr>
<td><strong>2:05 p.m.</strong> Semiparametric Spatial Modeling of Binary Outcomes—✦ Tatiyana V. Apanasovich, Cornell University; Raymond J. Carroll, Texas A&amp;M University; David Ruppert, Cornell University</td>
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<td><strong>2:25 p.m.</strong> Identifying Differentially Expressed Transcripts in Temporal Microarray Data—✦ Ping Ma, Harvard University; Tanya Logvinenko, Harvard University; Wenxuan Zhong, Purdue University; Jun S. Liu, Harvard University</td>
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<td><strong>2:45 p.m.</strong> Spline Confidence Band of Leaf Area Index Trend Curve—✦ Jing Wang, Michigan State University; Lijian Yang, Michigan State University</td>
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<td><strong>3:05 p.m.</strong> Time-varying, Coefficient-linear, Cumulative-odds Models for Survival Data—✦ Linxu Liu, Columbia University; Jianhua Huang, University of Pennsylvania</td>
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<td><strong>3:25 p.m.</strong> Additive Coefficient Modeling via Polynomial Spline—✦ Lan Xue, Michigan State University; Lijian Yang, Michigan State University</td>
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<td><strong>3:45 p.m.</strong> Floor Discussion</td>
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<tr>
<td><strong>14</strong></td>
<td>2:05 p.m.</td>
<td>Statistics in Genomics and Proteomics: New Applications in the Post-HGP Era—Topic Contributed</td>
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<td>Themed Session</td>
<td>MCC-201 AB</td>
<td>Biometrics Section, Section on Bayesian Statistical Science, WNAR</td>
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<td>Organizer(s): Sujay Datta, Northern Michigan University</td>
<td>Chair(s): Sujay Datta, Northern Michigan University</td>
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<tr>
<td><strong>2:05 p.m.</strong> Bayesian Mixture Models for Proteomic Profiles: a Case Study—✦ Kim-Anh Do, The University of Texas M. D. Anderson Cancer Center; Peter Mueller, The University of Texas M. D. Anderson Cancer Center</td>
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<td><strong>2:25 p.m.</strong> Screening for Differentially Expressed Genes Using the Bayes Factor—✦ Fang Yu, University of Connecticut; Ming-Hui Chen, University of Connecticut; Lynn Kuo, University of Connecticut</td>
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<td><strong>2:45 p.m.</strong> Genomewide Conserved Epitope Profiles of HIV-1 Predicted from MHC: Peptide Binding Classifiers—✦ Mark R. Segal, University of California, San Francisco; Yuanyuan Xiao, University of California, San Francisco</td>
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</tbody>
</table>
3:05 p.m.  Local Modeling of Global Interactome Networks——
           Denise Scholtens, Northwestern University
3:25 p.m.  Genomic Convergence: Using Genomic Clues in the
           Search for Genes for Complex Traits——Elizabeth
           Hauser, Duke University
3:45 p.m.  Floor Discussion

15  MCC-205 C
★  Statistical Issues in the Evaluation of Therapeutic
Cardiovascular Devices——Topic Contributed
Biopharmaceutical Section, WNAR
Organizer(s): Lilly Yue, U.S. Food and Drug Administration; Steve
Boch, Medtronic, Inc.
Chair(s): Yao Huang, U.S. Food and Drug Administration
2:05 p.m.  A Comparison of Two Multiple Imputation Methods for
           Missing Outcome Data in Clinical Trials——Elizabeth
           Galle, Guidant Corporation; Lei Peng, Guidant Corporation
2:25 p.m.  Assessing Consistency of Marginal and Individual
           Treatment Effects in a Clinical Study——Zengri Wang,
           Medtronic, Inc.
2:45 p.m.  Case Example of the Use of Multiple Logistical
           Regression Model with Correlated Predictors——
           Peter Lam, Boston Scientific Corporation; Hong Wang,
           Boston Scientific Corporation; Joerg Koglin, Boston Scientific
           Corporation; Mary Russell, Boston Scientific Corporation
3:05 p.m.  The Effects of Multiple Testing on Operating
           Characteristics When All Tests Must Be Passed——
           Jeng Mah, Guidant Corporation; Peter L. Chen, Guidant
           Corporation; Dong Li, Guidant Corporation
3:25 p.m.  Disc: Lilly Yue, U.S. Food and Drug Administration
3:45 p.m.  Floor Discussion

16  MCC-211 A
★  Bayesian Computation——Topic Contributed
Section on Bayesian Statistical Science
Organizer(s): Samantha R. Cook, Columbia University
Chair(s): Elizabeth A. Stuart, Mathematica Policy Research, Inc.
2:05 p.m.  Validation of Software for Bayesian Models Using
           Posterior Quantiles——Samantha R. Cook, Columbia
           University; Andrew Gelman, Columbia University; Donald B.
           Rubin, Harvard University
2:25 p.m.  Moving beyond Compatibility: the Future of the Gibbs
           Sampler?——David A. van Dyk, University of California,
           Irvine; Xiao-Li Meng, Harvard University
2:45 p.m.  Calibration of Mass Spectra——Cavan Reilly, University of
           Minnesota
3:05 p.m.  A Bayesian Approach to Modeling an Inhomogeneous
           Poisson Process with Applications to Call Center
           Data——Jonathan Weinberg, University of Pennsylvania
3:25 p.m.  Regression Model Search and Uncertainty with Many
           Predictors——Chris Hans, Duke University; Mike West,
           Duke University
3:45 p.m.  Floor Discussion

17  MCC-209 AB
★  Bayesian Methods in Environmental and Ecological
Sciences and Global Sea Level Study——Topic Contributed
Section on Bayesian Statistical Science
Organizer(s): Keying Ye, Virginia Polytechnic Institute and State
University; Dongchu Sun, University of Missouri, Columbia
Chair(s): Dongchu Sun, University of Missouri, Columbia
2:05 p.m.  Power Prior Approach to the Binomial Test in Water
           Quality Assessment——Yuyan Duan, Virginia Polytechnic
           Institute and State University; Keying Ye, Virginia Polytechnic
           Institute and State University; Eric P. Smith, Virginia Polytechnic
           Institute and State University
2:25 p.m.  Bayesian Hierarchical Threshold Models for
           Categorizing Heterogenous Ecological Habitat
           Preferences——Penelope Pooler, Virginia Polytechnic
           Institute and State University
2:45 p.m.  Bayesian Hierarchical Models for Response Rates in
           Hunter Attitude Surveys——Xiaoming Gao, Missouri
           Department of Conservation; Zhuojiong He, University of
           Missouri, Columbia; Dongchu Sun, University of Missouri,
           Columbia
3:05 p.m.  Bayesian Analysis of Trends in Response Waves for
           Deer Hunter Attitude Surveys——Jillian Lane, University
           of Missouri, Columbia; Dongchu Sun, University of Missouri,
           Columbia
3:25 p.m.  Physical-statistical Modeling of Ice-stream
           Dynamics——Chen Quin Lam, The Ohio State University;
           Mark Berliner, The Ohio State University; Yongku Kim, The
           Ohio State University; Noel Cressie, The Ohio State University;
           Kenneth Jezek, The Ohio State University
3:45 p.m.  Floor Discussion

18  MCC-102 E
★  Exploration, Impact, and Adjustment for Item and Unit
Nonresponse in Demographic Surveys and Censuses——
Topic Contributed
Section on Government Statistics, Social Statistics
Section, Section on Survey Research Methods
Organizer(s): Nancy A. Bates, U.S. Census Bureau
Chair(s): John Hall, Mathematica Policy Research, Inc.
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<tr>
<th>Time</th>
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<th>Presenter/Institution</th>
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<tr>
<td>2:05 p.m.</td>
<td>Item Nonresponse Error for the 100% Data Items on the Census 2000 Long Form Questionnaire</td>
<td>Thomas Chesnut, U.S. Census Bureau</td>
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<tr>
<td>2:25 p.m.</td>
<td>Survey Comparison of Item Nonresponse and Unit Nonresponse in Household Surveys</td>
<td>John S. Dixon, Bureau of Labor Statistics</td>
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<tr>
<td>2:45 p.m.</td>
<td>Introducing Income Imputation: Improving Data Quality in the Consumer Expenditure Survey</td>
<td>Geoffrey Paulin, Bureau of Labor Statistics</td>
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<td>3:05 p.m.</td>
<td>Assessing the Impact of High-effort Interviews on Health Estimates</td>
<td>Catherine Simile, National Center for Health Statistics; James Dahlhamer, National Center for Health Statistics; Pei-Lu Chiu, National Center for Health Statistics; Gulnur Scott, National Center for Health Statistics</td>
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<td>3:25 p.m.</td>
<td>Disc: Jane Gentleman, National Center for Health Statistics</td>
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<td>3:45 p.m.</td>
<td>Floor Discussion</td>
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<tr>
<td>20</td>
<td>Statistical Issues in Biometric Authentication—Topic Contributed</td>
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<td></td>
<td>Section on Statisticians in Defense and National Security</td>
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<tr>
<td>2:05 p.m.</td>
<td>An Introduction to Some Statistical Issues in Biometric Authentication</td>
<td>Michael Schuckers, St. Lawrence University</td>
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<td>2:25 p.m.</td>
<td>Generalized Linear Mixed Model Evaluation of Face Verification Algorithms Emphasizing Human Subject Characteristics</td>
<td>Geof Givens, Colorado State University; Ross Beveridge, Colorado State University; Bruce Draper, Colorado State University</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>Improved Face Authentication Based on Statistical Models: a Frequency Domain Approach</td>
<td>Sinjini Mitra, Carnegie Mellon University</td>
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<tr>
<td>3:05 p.m.</td>
<td>Challenges for Statistical Scaling of Biometric Authentication</td>
<td>Edwin P. Rood, Independent Consultant</td>
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<td>3:25 p.m.</td>
<td>Bio in the Statistics of Biometric Authentication?—</td>
<td>Peter Imrey, Cleveland Clinic Foundation</td>
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<td>3:45 p.m.</td>
<td>Floor Discussion</td>
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<td>19</td>
<td>Experiments on the Earth: Statistics for Geophysical Models and Data—Topic Contributed</td>
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<td>Section on Statistics and the Environment, WNAR</td>
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<td>Chair(s): Jan Hannig, Colorado State University</td>
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<tr>
<td>2:05 p.m.</td>
<td>Fitting Climate Models and Observed Climate Data</td>
<td>Dorin Drignei, National Center for Atmospheric Research</td>
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<td>2:25 p.m.</td>
<td>Statistical Downscaling Climate</td>
<td>Mathieu Vrac, The University of Chicago; Michael Stein, The University of Chicago</td>
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<td>2:45 p.m.</td>
<td>Combining Climate Model Output for Assessments of Climate Change</td>
<td>Stephan Sain, University of Colorado, DHSC; Reinhard Furrer, National Center for Atmospheric Research; Douglas Nychka, National Center for Atmospheric Research</td>
</tr>
<tr>
<td>3:05 p.m.</td>
<td>Spatial Prediction of Extreme Value Return Levels</td>
<td>Daniel Cooley, University of Colorado at Boulder; Philippe Naveau, University of Colorado at Boulder; Douglas Nychka, National Center for Atmospheric Research</td>
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<tr>
<td>3:25 p.m.</td>
<td>A 2-D Model Diagnostic and Correction for the Prediction of Total Column Ozone</td>
<td>Serge Guillen, Georgia Institute of Technology; George Tiao, The University of Chicago; Donald J. Wuebbles, University of Illinois, Urbana-Champaign; Alexis Zubrow, The University of Chicago</td>
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<tr>
<td>3:45 p.m.</td>
<td>Floor Discussion</td>
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</table>
22  ★  MCC-103 A
Models of Customer Response and Value—Topic Contributed
Section on Statistics and Marketing
Organizer(s): Wendy Moe, University of Maryland
Chair(s): Wendy Moe, University of Maryland
2:05 p.m.  Self-modeling Functional Data Analysis in Consumer Research—Terry Elrod, University of Alberta; Xin Ge, University of Alberta
2:25 p.m.  Experimental Design on the Front Lines of Marketing: Testing New Ideas To Increase Direct Mail Sales—Johannes Ledolter, University of Iowa
2:45 p.m.  SURF: Structural Unduplicated Reach and Frequency—Kristen O’Donnell, GfK Custom Research, Inc.; Stan Lipovetsky, GfK Custom Research, Inc.
3:05 p.m.  A Model of the Purchase Quantity and Timing—Enping (Shirley) Mai, Syracuse University; Raja Velu, Syracuse University
3:25 p.m.  Issues in Modeling Retention within and across Cohorts—Eric Bradlow, The Wharton School; Peter Fader, University of Pennsylvania; David Schweidel, The Wharton School
3:45 p.m.  Floor Discussion
3:25 p.m.  Ensuring Data Quality in the Annual Department of Transportation (DoT) Performance and Accountability Report—Alan K. Jeeves, Bureau of Transportation Statistics
3:45 p.m.  Floor Discussion

23  ★  MCC-102 F
Issues in Transportation Statistics—Topic Contributed
Section on Government Statistics
Organizer(s): Promod Chandhok, Bureau of Transportation Statistics
Chair(s): Michael P. Cohen, Bureau of Transportation Statistics
2:05 p.m.  Are We Better off Accepting Proxy Responses?—Promod Chandhok, Bureau of Transportation Statistics
2:25 p.m.  How Are Business Cycle Shocks Propagated?—Brian Sloboda, U.S. Department of Transportation; Vincent W. Yao, University of Arkansas, Little Rock
2:45 p.m.  The Effect of Optimal Arterial Cycle Length on Intersection Delays in a Coordinated Arterial System—Mohammad Qureshi, University of Missouri, Rolla; Gary Gadbury, University of Missouri, Rolla; Navin Sugathan, KCI Technologies
3:05 p.m.  Comparison of Queue Clearance Models for Multilane Approach Opposing Permissive Left Turns—V. A. Samaranayake, University of Missouri, Rolla; Mohammad Qureshi, University of Missouri, Rolla; Rohit Lasod, Johnson Engineering
3:45 p.m.  Floor Discussion

24  ★  MCC-205 D
Reaching the MBA Audience—Topic Contributed
Business and Economics Statistics Section, Section on Statistical Education
Organizer(s): Keith Ord, Georgetown University
Chair(s): Stephen Pollard, California State University, Los Angeles
Panelists: Raja Velu, Syracuse University
Douglas Zahn, G & G Associates
Dawn Porter, Georgetown University
William Parr, University of Tennessee
Sandy Balkin, Pfizer, Inc.
3:40 p.m.  Floor Discussion

25  ★  MCC-208 A
Costs and Benefits of ASA Membership—Topic Contributed
Section on Risk Analysis
Organizer(s): David Banks, Duke University
Chair(s): Duane Steffey, Exponent, Inc.
Panelists: Jimmy Doi, California Polytechnic State University
Angela Patterson, GE Global Research
Mary Batcher, Ernst & Young LLP
Paul M. Johansen, Tibotec, Inc.
Stephen Porzio, The American Statistical Association
3:45 p.m.  Floor Discussion

26  ★★  MCC-103 B
Applying Ourselves to Social and Environmental Issues—Contributed
Section on Survey Research Methods, Social Statistics Section
Chair(s): Johnny Blair, Abt Associates, Inc.
2:05 p.m.  Designing a Sampling Method for a Survey of Iowa High School Seniors—Kyle Hewitt, Lawrence University; Michael D. Larsen, Iowa State University
2:20 p.m. Origins of the Estate and Personal Wealth Sample Design—✦ Paul McMahon, U.S. Internal Revenue Service

2:35 p.m. Teleworking at the U.S. Census Bureau—✦ Jason D. Machowski, U.S. Census Bureau; Julie A. Bouffard, U.S. Census Bureau; Joan M. Hill, U.S. Census Bureau; Jennifer Tancreto, U.S. Census Bureau

2:50 p.m. Survey of Boaters and Marinas—✦ Marla Smith, U.S. Environmental Protection Agency; Elizabeth Kim, U.S. Environmental Protection Agency

3:05 p.m. Variation in Survey Estimates of Children with Disabilities in Federal Education Data—✦ Jennifer Park, National Center for Education Statistics; Elvira Hausken, National Center for Education Statistics; Stacey Bielick, American Institutes for Research

3:20 p.m. A Mixture Model for Catch-effort Experiments—✦ Changxuan Mao, University of California, Riverside

3:35 p.m. Ten Million Children Are Dying in the Poor World—✦ David Fitch, Universidad del Valle de Guatemala

28 MCC-102 A

Design of Experiments I—Contributed
Section on Physical and Engineering Sciences, Section on Quality and Productivity
Chair(s): Shelly Melroe, General Mills, Inc.

2:05 p.m. Fraction of Design Space Plots for Examining Mixture Design Robustness to Measurement Errors—✦ Ayca Ozol-Godfrey, Wyeth; Christine Anderson-Cook, Los Alamos National Laboratory

2:20 p.m. Efficient Experimental Designs for the Estimation of Hyperparameters in Hierarchical Bayes Models—✦ Qing Liu, The Ohio State University

2:35 p.m. Optimal Three-level Designs for Response Surfaces—✦ Robert Mee, University of Tennessee

2:50 p.m. Statistical Properties of Rechtschaffner Designs—✦ Xianggui Qu, Oakland University

3:05 p.m. Optimal Nonregular Designs as Alternatives to the 16-Run and 32-Run Regular Fractional Factorials—✦ Debra K. Ingram, Arkansas State University; Steffany Novosad, Arkansas State University

3:20 p.m. Average Correlations in Projections Designs with Quantitative Factors—✦ Abhyuday Mandal, Georgia Institute of Technology; Rahul Mukerjee, Indian Institute of Management, Calcutta

27 MCC-200 I

Interdisciplinary Approaches to Statistics Education—Contributed
Section on Statistical Education
Chair(s): Jessica Kohlschmidt, The Ohio State University

2:05 p.m. A Collaboration: Statistics Class and Human Physiology Lab—✦ Diane Fisher, Louisiana State University; S. Renee Robichaux, Louisiana State University

2:20 p.m. Interdisciplinary Undergraduate Research: Habitat Suitability Models of the Missouri Bladder-pod—✦ Hyun-joo Kim, Truman State University

2:35 p.m. Phased Project Sequences To Reinforce DOE and Statistical Quality Methods Education—✦ David Zeltner, Grand Valley State University; Paul Stephenson, Grand Valley State University

2:50 p.m. Undergraduate Summer Research Doing Statistical Bioassessment: Training Students in Data Analysis within an Interdisciplinary Program—✦ Dean Nelson, University of Pittsburgh, Greensburg; Cynthia Walter, Saint Vincent College

3:05 p.m. Integrating the Teaching of Statistics and Computer Literacy Courses as a Foundation for Business Research—✦ Bodapati V.R. Gandhi, University of Puerto Rico

3:20 p.m. One Dataset, Six Projects—✦ Brian E. Smith, McGill University

3:35 p.m. Floor Discussion

29 MCC-102 C

New Research in Quality Control and Monitoring—Contributed
Section on Quality and Productivity
Chair(s): Li Wang, Virginia Polytechnic Institute and State University

2:05 p.m. A Destructive Sampling Method Designed for High-quality Production Processes (DSM-HQ)—✦ Ronald Bremer, Texas Tech University; Francisco Delgadillo, Texas Tech University

2:20 p.m. Efficient Sampling Plans for Control Charts for Monitoring the Mean and Variance of an Autocorrelated Process—✦ Xin Zhong, Virginia Polytechnic Institute and State University; Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University

2:35 p.m. A Nonparametric Statistic for Joint Mean-variance Quality Control—✦ J.D. Opdyke, DataMineIt

2:50 p.m. Losses from Use of Individual Control Charts—✦ Joyce Orsini, Fordham University
3:05 p.m. A Bayesian Use of the EWMA To Detect Jumps at the Startup Phase of a Process—Panagiotis Tsiamyrtzis, Athens University of Economics and Business; Douglas M. Hawkins, University of Minnesota

3:20 p.m. Optimal Two-sided CUSUM Stopping Rules for Change-point Detection in the Brownian Motion Model with Two-sided Alternatives—Olympia Hadjiliadis, Columbia University

3:35 p.m. Floor Discussion

30 MCC-102 B

Multiple Testing and Bias Reduction—Contributed
Section on Statistical Computing, Section on Nonparametric Statistics
Chair(s): Aiyou Chen, Bell Labs, Lucent Technologies


2:20 p.m. An Upper Confidence Bound of the False Discovery Proportion—Yongchao Ge, Mount Sinai School of Medicine

2:35 p.m. Power of Pairwise Comparisons in the Equal Variance and Unequal Sample Size Case—Philip Ramsey, Queens College, CUNY; Patricia P. Ramsey, Fordham University

2:50 p.m. A Permutation Test To Compare Aggregate Matrices of Frequency Data: Young Differ from Older Mexicans on Emotion Labels—Ramon Durazo-Arvizu, Northwestern University; Robert W. Schrauf, Pennsylvania State University

3:05 p.m. Power of ANOM for Poisson and Binomial Data—Peter Wudyka, University of North Florida; Sannah Irlon, University of North Florida; Dawn Bullock, University of North Florida; LaTrecia Taylor, University of North Florida; Damon Ogilvie, University of North Florida

3:20 p.m. Bias Reduction with Generalized Jackknife Data Sharpening—Ennis D. McCune, Stephen F. Austin State University; Sandra L. McCune, Stephen F. Austin State University

3:35 p.m. A New Resampling Method To Reduce Small Sample Bias—Haiyan Bai, University of Cincinnati; Wei Pan, University of Cincinnati; LihShing Wang, University of Cincinnati

31 MCC-202 AB

A New Look at Old Tests—Contributed
Biometrics Section, WNAR
Chair(s): B. M. Golam Kibria, Florida International University

2:05 p.m. A Multivariate, Two-sample Mean Test for Small Sample Size and Missing Data—Yujun Wu, University of Medicine and Dentistry of New Jersey; Marc G. Genton, Texas A&M University; Leonard A. Stefanski, North Carolina State University

2:20 p.m. Exact Tests for Negligible Interaction in Two-way Linear Models—Bin Cheng, Columbia University; Jun Shao, University of Wisconsin, Madison

2:35 p.m. Two-sample T-test under General Conditions—Jin Xu, University of California, Riverside; Arjun K. Gupta, Bowling Green State University; Xiping Cui, University of California, Riverside

2:50 p.m. The ANCOVA Model for the Binary Response Variable—Yi-Ting Hwang, National Taipei University

3:05 p.m. Adaptive Tests and Confidence Intervals—Thomas O’Gorman, Northern Illinois University

3:20 p.m. Minimal Assumption, Scale-adjusted, Mantel-Haenszel Tests—Stuart A. Gansky, University of California, San Francisco

3:35 p.m. Dependency Measures under Bivariate Homogeneous Shock Models—Yingfu Li, University of Houston, Clear Lake

32 MCC-205 B

Specificity, Sensitivity, and ROC Curves—Contributed
Biometrics Section, WNAR
Chair(s): Yuxiao Tang, Rush University Medical Center

2:05 p.m. Detecting and Assessing Multiple Correlated Diagnostic Tests with Receiver Operating Characteristic Curves—Feng Gao, Washington University in St. Louis; Chengjie Xiong, Washington University in St. Louis; Yan Yan, Washington University in St. Louis; Kai Yu, Washington University in St. Louis; Zhengjun Zhang, Washington University in St. Louis

2:20 p.m. Estimation and Comparison of Diagnostic Accuracy with Survival Diagnostic Tests—Application to the Diagnosis of Early-stage Alzheimer’s Disease—Chengjie Xiong, Washington University in St. Louis

2:35 p.m. Empirical Likelihood-based Inference for the Area Under the ROC Curve—Gengsheng Qin, Georgia State University; Xiao-Hua (Andrew) Zhou, University of Washington

2:50 p.m. Bayesian Nonparametric Estimation of ROC Curves When the True Disease State Is Unknown—Chong Wang, Cornell University; Bruce Turnbull, Cornell University; Yijö Gröhn, Cornell University

3:05 p.m. Statistical Comparison of Antimicrobial Susceptible Test Methods—Shailendr N. Banerjee, U.S. Centers for Disease Control and Prevention

3:20 p.m. Assessment on Agreement Studies Using Adjusted Kappa and Yule’s Index—Jun-mo Nam, National Cancer Institute
You are invited to the JSM FIRST-TIME ATTENDEE orientation and reception

Sunday, August 7
6:00 p.m.–7:30 p.m.
MCC-L100 F

OPEN TO ALL

(Dinner groups will form after the reception.)

Learn more about how to get the most out of your 1st JSM experience, meet new people, and network.

AGENDA:

Introduction, Julia L. Bienias, President, The Caucus for Women in Statistics

“Cosmic Connections: Networking at the JSM,”
Sandra Stinnett, Duke University Medical Center

Reception (light hors d’oeuvres to be served)

This reception is sponsored by:
ASA, ENAR, IMS, SSC, WNAR, The Caucus for Women in Statistics
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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>3:35 p.m.</td>
<td>Comparison of Predictive Values of Two Diagnostic Tests from the Same Sample of Subjects Using Weighted Least Squares</td>
<td>Wenquan Wang, University of Alabama at Birmingham</td>
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<td>2:05 p.m.</td>
<td>Genealogical Theory for a Random Mating Population with Two Sexes and an Autosomal Locus</td>
<td>Edward Pollak, Iowa State University</td>
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<td>2:20 p.m.</td>
<td>Incorporating Missing Data Methods for Familial Genetic Data</td>
<td>Hemant Tiwari, University of Alabama at Birmingham; Solomon K. Musani, University of Alabama at Birmingham; Varghese George, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham</td>
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<tr>
<td>2:35 p.m.</td>
<td>A Flexible Monte Carlo Approach to Multipoint Linkage Analysis</td>
<td>Wen-Chang Wang, National Health Research Institutes; I-Shou Chang, National Health Research Institutes; Yuan-Chuan Chuang, Ming Chuan University; Chao A. Hsiung, National Health Research Institutes</td>
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<td>2:50 p.m.</td>
<td>Joint Localization of Two Linked Disease Susceptibility Genes</td>
<td>Wan-Yu Lin, Graduate Institute of Epidemiology</td>
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<td>3:05 p.m.</td>
<td>A Score Test for Linkage Analysis Allowing for Missing Parental Information</td>
<td>Jing Han, New York University; Yongzhao Shao, New York University</td>
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<td>3:20 p.m.</td>
<td>Parametric Approach to Genomic Imprinting Analysis with Applications</td>
<td>Sanjay Shete, The University of Texas M. D. Anderson Cancer Center</td>
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<td>3:35 p.m.</td>
<td>Genome Scans with Gene-covariate Interaction</td>
<td>Jie Peng, University of California; Davis; Hsiu-Khuem Tang, Hewlett-Packard Company; David Siegmund, Stanford University</td>
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<td>2:05 p.m.</td>
<td>RNA Interference HTS: a New Biotechnology for Discovering a Novel Class of Drugs</td>
<td>Xiaohua Zhang, Merck Research Laboratories</td>
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<td>2:20 p.m.</td>
<td>Power Comparison of Statistical Methods for Identifying Differential Expression Genes in Microarray Experiments</td>
<td>Xiaohua Shu, Temple University; Xiaohua Zhang, Merck Research Laboratories; Jianjun Li, Merck Research Laboratories; Wei Nan, Merck &amp; Co., Inc.; Benjamin I. Sun, Merck &amp; Co., Inc.</td>
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<td>Time</td>
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<td>Presenter/Institution</td>
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<td>3:05 p.m.</td>
<td>Penalized Likelihood Principal Component Rotation</td>
<td>Trevor Park, University of Florida</td>
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<td>3:20 p.m.</td>
<td>Variance-covariance Estimation with Application to Intercellular Signaling</td>
<td>Scott Holan, University of Missouri, Columbia</td>
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<td>3:35 p.m.</td>
<td>Stability of the Principal Components</td>
<td>Abdul-Hamid Al-Ibrahim, Kuwait University</td>
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<td>3:05 p.m.</td>
<td>Three-dimensional Assessment of Image-guided Therapy</td>
<td>Kelly Zou, Harvard Medical School</td>
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<td>2:20 p.m.</td>
<td>Kurtosis Orderings for Multivariate Distributions and Their Applications</td>
<td>Jin Wang, Northern Arizona University</td>
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<td>2:35 p.m.</td>
<td>A Weighted Estimation Method for the Pareto Variance</td>
<td>Mei Ling Huang, Brock University; Percy Brill, University of Windsor, Donald Gross, George Mason University</td>
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<td>2:50 p.m.</td>
<td>On the Link between Smooth and EDF Tests for Goodness-of-fit</td>
<td>Olivier Thas, Ghent University; John Rayner, University of Wollongong</td>
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<td>3:05 p.m.</td>
<td>Restricted Estimation of the Cumulative Incidence Functions Corresponding to k Competing Risks</td>
<td>Hammou Elbarmi, Baruch College, CUNY; Hari Mukerjee, Wichita State University</td>
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<td>3:20 p.m.</td>
<td>A Better Boxplot</td>
<td>Dennis Boos, North Carolina State University; Jacqueline M. Hughes-Oliver, North Carolina State University</td>
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<td>3:35 p.m.</td>
<td>Comparison of Curves Utilizing a New Method of Small-sample Smoothing with Forestry Application</td>
<td>Kathryn Prewitt, Arizona State University</td>
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<td>3:05 p.m.</td>
<td>Inferring Parameters and Structure of Markov Random Field Models</td>
<td>Max Welling, University of California, Irvine</td>
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<td>4:05 p.m.</td>
<td>Convex Surrogates and Stable Message-passing in Markov Random Fields: Combined Approximation of Marginals and Parameters</td>
<td>Martin J. Wainwright, University of California, Berkeley</td>
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<td>4:30 p.m.</td>
<td>Bidirected Models for Binary Data</td>
<td>Thomas S. Richardson, University of Washington; Mathias Drton, University of California, Berkeley</td>
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<td>5:20 p.m.</td>
<td>ARMA Time-series Modeling with Graphical Models</td>
<td>Bo Thiesson, Microsoft Research; David M. Chickering, Microsoft Research; David Heckerman, Microsoft Research; Christopher Meek, Microsoft Research</td>
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<td>5:05 p.m.</td>
<td>Dynamic Indeterminism in Science</td>
<td>David R. Brillinger, University of California, Berkeley</td>
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<td>5:45 p.m.</td>
<td>Floor Discussion</td>
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<td>4:05 p.m.</td>
<td>Visual Data Mining</td>
<td>Edward J. Wegman, George Mason University</td>
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<td>4:55 p.m.</td>
<td>GGobi Meets R: Interactive High-dimensional Data Visualization as Part of a Complete Data Analysis</td>
<td>Deborah Swayne, AT&amp;T Labs-Research</td>
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<td>5:45 p.m.</td>
<td>Floor Discussion</td>
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4:05 p.m.  A Change-point, Mixed-effects Approach for the Analysis of Intervention Effects in Longitudinal Studies— Colin Wu, National Heart, Lung, and Blood Institute; Xin Tian, National Heart, Lung, and Blood Institute; Heejung Bang, Cornell University

4:30 p.m.  Wavelet-based Functional Mixed Models— Jeffrey S. Morris, The University of Texas M. D. Anderson Cancer Center

4:55 p.m.  Variable Selection and Empirical-likelihood-based Inference for Measurement Error Data— Hua Liang, St. Jude Children’s Research Hospital

5:20 p.m.  Semiparametric Time-varying Coefficients Regression Model for Longitudinal Data— Yanqing Sun, University of North Carolina, Charlotte; Huilin Wu, University of Rochester

5:45 p.m.  Floor Discussion

43  MCC-211 D

• Improving the Measurement of Disability—Invited

Social Statistics Section, Section on Health Policy Statistics, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Susan Schechter, Office of Management and Budget Chair(s): David Keer, U.S. Department of Education

4:05 p.m.  Disability Data in the Decennial Census and the American Community Survey: Review of Recent Design and Operations— Sharon M. Stern, U.S. Census Bureau

4:30 p.m.  Development, Testing, and Recommendations for Questions on Disability for the American Community Survey— Barbara M. Altman, National Center for Health Statistics; Theresa J. DeMaio, U.S. Census Bureau; Kristen S. Miller, National Center for Health Statistics

4:55 p.m.  Designing Questions To Identify People with Disabilities in Labor Force Surveys: a History of the Work of BLS to Measure the Employment Level of Adults with Disabilities— Terence M. McMenamin, Bureau of Labor Statistics; Douglas L. Kruse, Rutgers, The State University of New Jersey; Tom Hale, Social Security Administration; Haejin Kim, California State University, Dominguez Hills


5:45 p.m.  Floor Discussion

44  MCC-205 C

• Integrating Multiple Sources of Genomic Data—Invited

Biometrics Section, ENAR, Biopharmaceutical Section, WNAR

Organizer(s): Marina Vannucci, Texas A&M University Chair(s): Marina Vannucci, Texas A&M University

4:05 p.m.  Identifying Chromosome Clusters and Over-represented Functions of Differentially Expressed Genes in Complementary cDNA Microarray Experiments— Erin Conlon, University of Massachusetts; Patrick Eichenberger, Harvard University; Jun S. Liu, Harvard University

4:30 p.m.  Characterizing and Finding Short DNA-binding Motifs in an Evolutionary Context— Haiyan Huang, University of California, Berkeley

4:55 p.m.  Integrating Pathway Information in DNA Microarray Data Analysis— Mahlet G. Tadesse, University of Pennsylvania

5:20 p.m.  Disc: Jun S. Liu, Harvard University

5:40 p.m.  Floor Discussion
**General Program Schedule**

4:55 p.m. Designing and Identifying Multistage Experiments—

Derek Bingham, Simon Fraser University

5:05 p.m. Statistical Modeling of a Chemical Reaction—

Martha Gardner, GE Global Research

5:15 p.m. The Crossover Design: 2-D or Not 2-D—

Reid D. Landes, University of Arkansas for Medical Sciences; John VanDyk, Iowa State University

5:25 p.m. The BHH Tomato Example Revisited—

Robert Easterling, Itinerant Professor

5:35 p.m. Disc: Russell V. Lenth, The University of Iowa

5:45 p.m. Floor Discussion

45

**MCC-102 E**

Bayesian Methods in Federal Statistics—Invited Section on Bayesian Statistical Science

Organizer(s): Malay Ghosh, University of Florida

Chair(s): Malay Ghosh, University of Florida

4:05 p.m. A Bayesian Analysis of Two-way Categorical Data from Small Areas Incorporating Intraclass Correlation—

Balgobin Nandram, Worcester Polytechnic Institute; Jai W. Choi, National Center for Health Statistics

4:30 p.m. A Hierarchical Bayesian Nonresponse Model for Two-way Categorical Data from Small Areas with Uncertainty about Ignorability—

Myron Katzoff, National Center for Health Statistics; Balgobin Nandram, Worcester Polytechnic Institute

4:55 p.m. Empirical and Hierarchical Bayes Estimation for Binary Response in Small Areas—

Karabi Sinha, University of Illinois, Chicago; Malay Ghosh, University of Florida

5:20 p.m. Selection-bias-corrected Models for Evaluating Weighting Class and Multiple Imputation Methods of Adjusting for Partial Response When Missing Data Are Not Missing at Random—

Philip J. Smith, U.S. Centers for Disease Control and Prevention; Lawrence Marsh, University of Notre Dame

5:45 p.m. Floor Discussion

46

**MCC-102 F**

Statistical Methods for Monitoring Our Aquatic Resources—Invited Section on Statistics and the Environment, ENAR, WNAR

Organizer(s): Jennifer A. Hoeting, Colorado State University

Chair(s): Don Stevens, Jr., Oregon State University

4:05 p.m. Nonparametric Small-area Estimation Using Penalized Spline Regression—

Jean D. Opsomer, Iowa State University; Jay Breidt, Colorado State University; Gerda Claeskens, Katholieke Universiteit Leuven; Goeran Kauermann, Universitaet Bielefeld; Giovanna Ranalli, Universita di Perugia

5:05 p.m. Bayesian Models for a Multivariate Discrete Response: Comparing Impacted and Nonimpacted Streams—

Jennifer A. Hoeting, Colorado State University; Devin S. Johnson, University of Alaska Fairbanks; Megan Dailey, Colorado State University

5:35 p.m. Floor Discussion

47

**MCC-211 B**

Statistical Analysis of Functional Neuroimaging Data—Invited Section on Statistical Computing, WNAR, Section on Statistical Graphics, Biometrics Section

Organizer(s): Jonathan Taylor, Stanford University

Chair(s): Jonathan Taylor, Stanford University

4:05 p.m. Spatial Smoothing To Control Degrees of Freedom in fMRI Analysis—

Keith J. Worsley, McGill University

4:35 p.m. Sensitivity and Specificity of FDR Methods in Neuroimaging—

Thomas Nichols, University of Michigan

5:05 p.m. Wavelet-based Statistical Analysis of fMRI Data—

Ivo D. Dinov, University of California, Los Angeles; John Boscardin, University of California, Los Angeles; Michael S. Mega, Neural-Net Research; Arthur W. Toga, University of California, Los Angeles

5:35 p.m. Floor Discussion

48

**MCC-202 AB**

Statistical Methods for Spatial Data—Invited WNAR, Section on Bayesian Statistical Science, Section on Nonparametric Statistics, ENAR, Section on Statistics and the Environment, Section on Statistical Graphics, Biometrics Section

Organizer(s): Francesca Dominici, Johns Hopkins University

Chair(s): Tyson Rogers, University of Minnesota

4:05 p.m. Bayesian Models for Spatial Extremes—

Uli Schneider, Geophysical Statistics Project, NCAR; Douglas Nychka, National Center for Atmospheric Research; Daniel Cooley, University of Colorado at Boulder; Eric Gilleyland, National Center for Atmospheric Research

4:35 p.m. Spatial Modeling of Environmental Exposures, Diseases, and Confounders from National Databases—

Roger D. Peng, Johns Hopkins University
### 5:05 p.m. Bayesian Spatial Boundary Analysis for Areal Health Outcome Data — Bradley P. Carlin, University of Minnesota; Haijun Ma, University of Minnesota

### 5:35 p.m. Floor Discussion

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**Invited Panels 4:00 p.m.–5:50 p.m.**

<table>
<thead>
<tr>
<th>Session Title</th>
<th>Organizer(s)</th>
<th>Chair(s)</th>
<th>Panelists</th>
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<tr>
<td>Invited Panels 4:00 p.m.–5:50 p.m.</td>
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### 49 MCC-208 B

**Total Survey Error: Past, Present, and Future—Invited Section on Survey Research Methods, Social Statistics Section**

Organizer(s): Paul Biemer, RTI International, The University of North Carolina at Chapel Hill  
Chair(s): Michael D. Larsen, Iowa State University  
Panelists:  
- Paul Biemer, RTI International, University of North Carolina at Chapel Hill  
- Robert Groves, University of Michigan  
- Alan Zaslavsky, Harvard University  
- William D. Kalsbeek, University of North Carolina at Chapel Hill

### 5:45 p.m. Floor Discussion

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**Invited Poster Sessions 4:00 p.m.–5:50 p.m.**

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<tr>
<th>Poster Title</th>
<th>Organizer(s)</th>
<th>Chair(s)</th>
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<tr>
<td>Invited Poster Sessions 4:00 p.m.–5:50 p.m.</td>
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### 50 MCC-103 D

**The History of Regression and Correlation—Invited The American Statistician, Social Statistics Section, Section on Statistical Education**

Organizer(s): James Albert, Bowling Green State University  
Chair(s): John Walker, California Polytechnic State University  
Panelists:  
- James Hanley, McGill University  
- Lee Wilkinson, Northwestern University  
- Michael J. Rovine, The Pennsylvania State University  
- Fritz J. Scheuren, University of Chicago

### 5:35 p.m. Floor Discussion

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### 51 MCC-Level Two Lobby B

**Invited Poster Session—Invited Biometrics Section, Section on Statistical Computing, General Methodology, Section on Statistics and the Environment, Section on Survey Research Methods**

Organizer(s): Ying Kuen Cheung, Columbia University  
Chair(s): Ying Kuen Cheung, Columbia University  
Panelists:  
- John Kolassa, Rutgers, The State University of New Jersey  
- Gelila Tilahun, University of Toronto; Andrey Feuerverger, University of Toronto  
- Lifeng Wang, University of Minnesota; Xiaotong Shen, University of Minnesota  
- Ronald Gangnon, University of Wisconsin, Madison; Michael Kosorok, University of Wisconsin, Madison  
- Jian Zhang, The Ohio State University; Noel Cressie, The Ohio State University; Peter F. Crammille, The Ohio State University  
- Andrew S. Allen, Duke University; Glen A. Satten, U.S. Centers for Disease Control and Prevention  
- Sean M. O’Brien, Duke University  
- Michael P. McDermott, University of Rochester  
- Hong Tian, Columbia University; Marianne Markatou, Columbia University; Shameek Biswas, Columbia University; George Hripcsak, Columbia University
**52**  
**MCC-103 A**  
**Evaluation of Statistical Consulting Programs in an Academic Setting—Topic Contributed**  
Section on Statistical Consulting, Section on Statistical Education  
Organizer(s): Manuela Huso, Oregon State University  
Chair(s): Manuela Huso, Oregon State University  
4:05 p.m. Metrics Used To Evaluate Purdue University’s Statistical Consulting Service—Bruce Craig, Purdue University  
4:25 p.m. An Example of a Consulting Center Program Assessment—K. B. Boomer, The Pennsylvania State University; Andrea M. Piccinin, The Pennsylvania State University  
4:45 p.m. Evaluation of Consultants: Hiring, Progress, and Promotion—Edward Rothman, University of Michigan  
5:05 p.m. Disc: H. Dean Johnson, University of Idaho/Washington State University  
5:25 p.m. Disc: M. Bridget Zimmerman, The University of Iowa  
5:45 p.m. Floor Discussion

**53**  
**MCC-200 H**  
**ROC Methods in Diagnostic Device Evaluation—Topic Contributed**  
Section on Statistics in Epidemiology, Biopharmaceutical Section, WNAR  
Organizer(s): Michael Lu, Edwards Lifesciences; Peter Lam, Boston Scientific Corporation  
Chair(s): Hollington Lu, U.S. Food and Drug Administration  
4:05 p.m. Receiver Operating Characteristic (ROC) Curve for Demographic Variable Dependent Diagnostic Method—Michael Lu, Edwards Lifesciences; Victoria Petrides, Abbott Laboratories  
4:25 p.m. Analysis of Multireader, Multitest Receiver Operating Characteristic (ROC) Curves—Xiao-Hua (Andrew) Zhou, University of Washington; Xiao Song, University of Washington  
4:45 p.m. Receiver Operation Characteristic Curve Method for Surrogate Endpoints for Predicting Target Revascularization in TAXUS Stent Clinical Trials—Hong Wang, Boston Scientific Corporation; Peter Lam, Boston Scientific Corporation; Joerg Koglin, Boston Scientific Corporation; Mary Russell, Boston Scientific Corporation  
5:05 p.m. The Role of Late Loss in Predicting Target Lesion Revascularization (TLR) in TAXUS Stented Coronary Lesions—Zheng (Frank) Zhou, Boston Scientific Corporation; Yongyi Yu, Boston Scientific Corporation; Peter Lam, Boston Scientific Corporation  
5:25 p.m. Establishment of a Surrogate Marker Application to Cardiovascular Drug Eluting Stent Trial—Roseann White, Guidant Corporation  
5:45 p.m. Floor Discussion

**54**  
**MCC-213 AB**  
**Administrative Records: Input/Output—Topic Contributed**  
Section on Government Statistics, Section on Survey Research Methods  
Organizer(s): Wendy Alvey, U.S. Census Bureau; Lisa Blumerman, U.S. Census Bureau  
Chair(s): Thomas Petska, Internal Revenue Service  
4:05 p.m. Acquisition and Protection of Administrative Records: a U.S. Census Bureau Perspective—Patricia Melvin, U.S. Census Bureau; Lisa Blumerman, U.S. Census Bureau  
4:25 p.m. Development of Population Estimates Using Administrative Records—Signe Wetrogan, U.S. Census Bureau; Sally M. Obenski, U.S. Census Bureau; Rodger V. Johnson, U.S. Census Bureau  
4:45 p.m. Internal Revenue Service Area-to-area Migration Data: Strengths, Limitations, and Current Uses—Emily Gross, U.S. Internal Revenue Service  
5:05 p.m. Statistical Uses of Social Security Administrative Data—Dawn E. Haines, Social Security Administration; Brian Greenberg, Social Security Administration  
5:25 p.m. National Center for Health Statistics: Administrative Record Linkage Practices and Products—Christine Cox, National Center for Health Statistics  
5:45 p.m. Floor Discussion

**55**  
**MCC-211 C**  
**Multiple Imputation in Mental Health Services Research—Topic Contributed**  
Section on Health Policy Statistics, ENAR, Section on Survey Research Methods, Social Statistics Section, WNAR, Biometrics Section  
Organizer(s): Juned Siddique, University of California, Los Angeles  
Chair(s): Thomas R. Belin, University of California, Los Angeles  
4:05 p.m. Multiple Imputation of a Depression Treatment Trial Using an Iterative Predictive Mean Matching Hot-deck—Juned Siddique, University of California, Los Angeles; Thomas R. Belin, University of California, Los Angeles
4:25 p.m.  Multiple Imputation To Adjust for Under-reporting in the National Latino and Asian American Survey—
✦ Bonnie Ghosh-Dastidar, RAND Statistics Group; Chih-nan Chen, Cambridge Health Alliance; Naihua Duan, University of California, Los Angeles; Margarita Alegria, Cambridge Health Alliance
4:45 p.m.  Sequential Predictive Mean Matching Method of Multiple Imputation—
✦ Trivellore Raghunathan, University of Michigan; Florian Koller, GfK Custom Research, Inc.; Nathaniel Schenker, National Center for Health Statistics; Susanne Raessler, University of Erlangen-Nuremberg
5:05 p.m.  Disc: Naihua Duan, University of California, Los Angeles
5:25 p.m.  Disc: James O’Malley, Harvard Medical School
5:45 p.m.  Floor Discussion

56  ★  ☆ Bayesian Selection in Random Effects and Covariance Structure Models—Topic Contributed
Section on Bayesian Statistical Science, Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section
Organizer(s): David Dunson, National Institute of Environmental Health Sciences
Chair(s): David Dunson, National Institute of Environmental Health Sciences
4:05 p.m.  Bayesian Correlation Estimation and Applications—
✦ Merrill Liechty, Drexel University; John Liechty, The Pennsylvania State University; Peter Mueller, The University of Texas M. D. Anderson Cancer Center
4:25 p.m.  Variable Selection in Semiparametric Mixed Effects Models—
✦ Bo Cai, National Institute of Environmental Health Sciences; David Dunson, National Institute of Environmental Health Sciences
4:45 p.m.  Bayesian Covariance Selection—
✦ Adrian Dobra, Duke University
5:05 p.m.  Joint Models for Longitudinal Binary and Continuous Processes—
✦ Xuefeng Liu, University of Florida
5:25 p.m.  An Empirical Bayes Method for Fitting Semiparametric Random-effect Models to Large Datasets—
✦ Michael Pennell, The University of North Carolina at Chapel Hill/NIHES; David Dunson, National Institute of Environmental Health Sciences
5:45 p.m.  Floor Discussion

57  ★  Testing Multiple and/or Secondary Hypotheses in Clinical Trials—Topic Contributed
Biopharmaceutical Section, WNAR
Organizer(s): Abdul J. Sankoh, Aventis Pharmaceuticals
Chair(s): Wayne Weng, Novo Nordisk, Inc.
4:05 p.m.  Non-inferiority Testing for Multiple Binary Endpoints—
✦ Isaac Nuamah, Johnson & Johnson
4:25 p.m.  Issues with Cross-trial Estimation of Active-control Effect in the Traditional Two-arm, Active-control Trial Design—
✦ Abdul J. Sankoh, Aventis Pharmaceuticals
4:45 p.m.  Estimations of Treatment Effects on Multiple Endpoints for Clinical Trials with Interim Analyses—
✦ Michael Lee, Merck Research Laboratories; Hui Quan, Merck Research Laboratories
5:05 p.m.  Secondary Endpoints and Triaged Analyses in Clinical Trials—
✦ Lemuel Moye, The University of Texas Health Science Center at Houston
5:25 p.m.  Disc: Mohammad Huque, U.S. Food and Drug Administration
5:45 p.m.  Floor Discussion

58  ★  Business Register Quality Practices of Various Agencies—Topic Contributed
Business and Economics Statistics Section, Section on Survey Research Methods
Organizer(s): Shirin Ahmed, U.S. Census Bureau; Franklin Winters, U.S. Census Bureau
Chair(s): Howard R. Hogan, U.S. Census Bureau
4:05 p.m.  A Comparison for the Business Registers Used by the Bureau of Labor Statistics and the U.S. Census Bureau—
✦ Lucia Foster, U.S. Census Bureau; Joel Elvery, Bureau of Labor Statistics; Randy Becker, U.S. Census Bureau; Cornell Kizlan, U.S. Census Bureau; Sang Nguyen, U.S. Census Bureau; David Talan, Bureau of Labor Statistics
4:25 p.m.  Business Register Quality Metrics—
4:45 p.m.  Analytical Bias Reduction for Small Samples in the U.S. Consumer Price Index—
✦ Ralph Bradley, Bureau of Labor Statistics
5:05 p.m.  Analyzing the JOLTS Hires and Separations Data—
✦ Jason Faberman, Bureau of Labor Statistics
5:25 p.m.  An Automated Industry Coding Application for New U.S. Business Establishments—
✦ Anne T. Kearney, U.S. Census Bureau; Michael E. Kornbau, U.S. Census Bureau
5:45 p.m.  Floor Discussion
59 **MCC-210 AB**

* Recent Advances in Psychological and Educational Measurement—Topic Contributed
  
  Social Statistics Section, Section on Survey Research Methods, Section on Bayesian Statistical Science

  Organizer(s): Sandip Sinharay, Educational Testing Service

  Chair(s): Carolyn Shettle, Westat

  **4:05 p.m.** Detecting Differential Item Functioning for Small Samples— Sandip Sinharay, Educational Testing Service

  **4:25 p.m.** Estimating Variance in Highly Clustered Survey Samples— Jiahe Qian, Educational Testing Service

  **4:45 p.m.** A Bayesian IRT Model for Comparative Item Performance under Dual Modes of Survey Administration or Educational Assessment— Louis T. Mariano, RAND Corporation; Maria Orlando, RAND Corporation; Bonnie Ghosh-Dastidar, RAND Statistics Group

  **5:05 p.m.** An Item Response Model for Multidimensional Unfolding Preferential Choice Data— Jimmy de la Torre, Rutgers, The State University of New Jersey

  **5:25 p.m.** Floor Discussion

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60 **MCC-208 A**

* Counting Out Loud: Data Collection Issues Essential for Improving the Welfare of Sexual Minorities—Topic Contributed
  
  Section on Survey Research Methods, Social Statistics Section

  Organizer(s): Barry Johnson, U.S. Internal Revenue Service

  Chair(s): Arthur Kennickell, Federal Reserve Board

  **Panelists:**
  - Randall Sell, Columbia University
  - Susan Cochran, University of California, Los Angeles
  - Gary Gates, The Williams Project
  - Lee Badgett, University of Massachusetts

  **5:35 p.m.** Floor Discussion

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61 **MCC-205 D**

* NCI and the Cancer Biomedical Informatics Grid (caBIG)—Current and Future Roles for Biostatisticians— Topic Contributed
  
  Biometrics Section, WNAR

  Organizer(s): Terry Hyslop, Thomas Jefferson University

  Chair(s): Zhezhen Jin, Columbia University

  **Panelists:**
  - Terry Hyslop, Thomas Jefferson University
  - Shannon McWeeney, Oregon Health and Science University
  - Joyce Nland, City of Hope National Medical Center
  - Christine McLaren, University of California, Irvine
  - Leslie Derr, National Cancer Institute

  **5:35 pm** Floor Discussion
### General Program Schedule

#### Themed Session

**MCC-205 A**

**Genetic Association and Complex Traits—Contributed Biometrics Section, Social Statistics Section, WNAR**

Chair(s): Saunak Sen, University of California, San Francisco

<table>
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<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>4:05 p.m.</td>
<td>Guidelines for Genome-wide, Haplotype-based Association Studies Using SNPs— Chun Zhang, Affymetrix, Inc.</td>
</tr>
<tr>
<td>4:20 p.m.</td>
<td>Multilocus LD Measure and Tagging SNP Selection with Generalized Mutual Information— Zheng Liu, The Ohio State University; Shili Lin, The Ohio State University</td>
</tr>
<tr>
<td>4:35 p.m.</td>
<td>Powerful Statistics for Testing the Null Hypothesis of No Association versus the Alternative of One Associated Category in 2-by-m Tables (m&gt;4)— Jeanine Houwing-Duistermaat, Leiden University Medical Center; Rachid el Galta, Leiden University Medical Center; Hans van Houwelingen, Leiden University Medical Center</td>
</tr>
<tr>
<td>4:50 p.m.</td>
<td>A Modified Quasi-likelihood Score Test for Evaluating Candidate Genes in Case-control Studies— Timothy Thornton, The University of Chicago; Mary Sara McPeek, The University of Chicago</td>
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<tr>
<td>5:05 p.m.</td>
<td>Microarray Multidisciplinary Research Team Overview— Laura L. Johnson, National Center for Alternative and Complimentary Medicine</td>
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<td>5:20 p.m.</td>
<td>Floor Discussion Adam Smith, American University</td>
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#### Applied Session

**MCC-103 C**

**Bayesian Asymptotic, Semiparametric, and Nonparametric Inference—Contributed Biometrics Section**

Chair(s): Herbert Lee, University of California, Santa Cruz

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<tr>
<td>4:05 p.m.</td>
<td>Saddlepoint Approximations for Matched Case-control Problems— Upasana Santra, University of Florida; Malay Ghosh, University of Florida</td>
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<tr>
<td>4:20 p.m.</td>
<td>A Generalized Maximum Likelihood Prior— Anna Nicolaou, University of Macedonia; Mihaela Aslan, Yale University</td>
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<tr>
<td>4:35 p.m.</td>
<td>Semiparametric Bayesian Inference for Multi-level Repeated Measurement Data— Gary Rosner, The University of Texas M. D. Anderson Cancer Center; Peter Mueller, The University of Texas M. D. Anderson Cancer Center; Fernando A. Quintana, Pontificia Universidad Catolica de Chile</td>
</tr>
<tr>
<td>4:50 p.m.</td>
<td>Bayesian Semiparametric Inference Based on Ranks in Linear Models— Xiaojiang Zhan, Merck &amp; Co., Inc.</td>
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#### Presenter

**MCC-201 AB**

**Analysis of Truncated/Censored Observations and Survival Outcomes—Contributed Biometrics Section**

Chair(s): David Dahl, Texas A&M University

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<th>Time</th>
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<td>4:05 p.m.</td>
<td>Some Thoughts on the Relative Survival Rate— Christiana Drake, University of California, Davis</td>
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*GENERIC PROGRAM SCHEDULE

[Themed Session](#)  [Applied Session](#)  [Presenter](#)  [MCC-Minneapolis Convention Center](#)  [H-Hilton Minneapolis](#)  [HY-Hyatt Regency Minneapolis](#)
4:20 p.m. Tests of the Equality of Two Cumulative Incidence Functions—✦ Ruta Bajorunaite, Marquette University

4:35 p.m. Median Regression Analysis Using Left- and Right-censored Observations—✦ Sundar Subramanian, University of Maine

4:50 p.m. Likelihood-based Approach for Left-censored Covariates—✦ Gina D’Angelo, University of Pittsburgh; Lisa Weissfeld, University of Pittsburgh

5:05 p.m. Flexible Cure Rate Modeling under Latent Activation Schemes—✦ Freda Cooner, University of Minnesota; Sudipto Banerjee, University of Minnesota; Bradley P. Carlin, University of Minnesota; Debajyoti Sinha, Medical University of South Carolina

5:20 p.m. Joint Modeling of Longitudinal Data and Informative Followup Process—✦ Yu Liang, Columbia University; Wenbin Lu, North Carolina State University

5:35 p.m. A Weighted Empirical Estimation of a Distribution Function with Interval-censored and Truncated Observations—✦ Hsiao-Chuan Tien, The University of North Carolina at Chapel Hill; Pai-Lien Chen, Family Health International

67 MCC-200 DE General Methodology—Contributed Biopharmaceutical Section, WNAR Chair(s): Rajagopalan Srinivasan, INC Research, Dataspectrum

4:05 p.m. A Test for Monotonicity of Normal Means with Unequal Variances—✦ Arthur Roth, Pfizer, Inc.

4:20 p.m. Use of the Fieller-Hinkley Distribution of the Ratio of Random Variables in Testing for Noninferiority and Equivalence—✦ Kallappa Koti, U.S. Food and Drug Administration

4:35 p.m. Fitting Polyexponentials and Quasipolynomials to HIV Viral Load Data—✦ Les Huson, GNB Limited; Jian Chung, F. Hoffman-La Roche; Mickey Salgo, F. Hoffman-La Roche

4:50 p.m. Detecting Epistasis among the Quantitative Trait Loci—✦ Wei Ning, Syracuse University; Hyune-Ju Kim, Syracuse University

5:05 p.m. A Tolerance Interval-based, Two-stage Sequential Quality Assurance Test on Content Uniformity of Drug—✦ Meiyu Shen, U.S. Food and Drug Administration; Yi Tsong, U.S. Food and Drug Administration

5:20 p.m. Some Improved Tests Using Pilot Study Information—✦ Samuel Wu, University of Florida; Mark Yang, University of Florida

5:35 p.m. Weighted Nonparametric Maximum Likelihood Estimation of a Mixing Distribution—✦ Ying Zhang, Virginia Polytechnic Institute and State University; Chaofeng Liu, Eli Lilly and Company

68 MCC-208 D Financial Risk Analysis—Contributed Section on Risk Analysis Chair(s): Edward Melnick, New York University

4:05 p.m. Nonparametric Inference of Value at Risk for Dependent Financial Returns—Song Xi Chen, Iowa State University; Chengyong Tang, Iowa State University

4:20 p.m. Modeling of Operational Risk Losses—✦ Emmanuel Yashchin, IBM

4:35 p.m. Tail Index Estimation for Partitioned Insurance Loss Data—✦ Ping-Hung Hsieh, Oregon State University; John Henry, Oregon State University

4:50 p.m. Risk Modeling under Segmentation—✦ Qun Xie, Tsinghua University

5:05 p.m. On the Application of Survival Analysis To Predict Business Failure—Edgar Ortiz, Dun & Bradstreet; Wei Zhou, Dun & Bradstreet

5:20 p.m. On the Application of Zero Inflated Count Models to Business Delinquency Prediction—✦ Edgar Ortiz, Dun & Bradstreet; Paul Chin, Dun & Bradstreet Global Decision Sciences

5:35 p.m. Floor Discussion

69 MCC-103 E Splines and Time Series—Contributed Section on Nonparametric Statistics Chair(s): Kaisheng Song, Florida State University

4:05 p.m. Smoothing Spline Models with Stationary Time-series Errors—✦ Ming Dai, University of North Carolina, Charlotte; Wensheng Guo, University of Pennsylvania

4:20 p.m. Generalized Varying Coefficient Models for Longitudinal Data—✦ Damla Senturk, The Pennsylvania State University; Hans-Georg Mueller, University of California, Davis

4:35 p.m. Testing for Superiority among Two Time Series—✦ Fang Li, Indiana University-Purdue University, Indianapolis; Hira L. Koul, Michigan State University

4:50 p.m. Penalized Spline Models for Functional Data—✦ Fang Yao, Colorado State University; Thomas Lee, Colorado State University

5:05 p.m. Random-effects Selection in a Nonlinear Mixed Model with Many Parameters—✦ Karen Chiswell, North Carolina State University; John F. Monahan, North Carolina State University
5:20 p.m. The Effect of Serial Correlation on the Shapiro-Wilk and Wilcoxon Tests— Yulia Gel, University of Waterloo; Weiwen Miao, Macalester College; Joseph L. Gastwirth, George Washington University

5:35 p.m. Penalized Spline Estimation for Generalized Partially Linear Single-index Models— Yan Yu, University of Cincinnati

70
MCC-211 A
● Mixtures, Missing Data, and EM—Contributed
Section on Statistical Computing
Chair(s): Robert Shumway, University of California, Davis

4:05 p.m. Efficient Computational Strategies for Normal Mixture Models with Missing Information— Tsung-I Lin, Tunghai University; Jack C. Lee, National Chiao-Tung University

4:20 p.m. On Lassoing Mixtures— Guan Xing, Case Western Reserve University; J. Sunil Rao, Case Western Reserve University

4:35 p.m. Analyzing the Model Fit of Finite Mixture Models— Bettina Gruen, Vienna University of Technology; Friedrich Leisch, Vienna University of Technology

4:50 p.m. Estimating Mixtures of Normals Using UNMIX— Hasan Hamdan, James Madison University

5:05 p.m. Gaussianization-based Quasi-imputation strategies for Longitudinal Binary Responses— Hakan Demirtas, University of Illinois, Chicago

5:20 p.m. Accelerating the EM Algorithm without Much Fuss: Squared Extrapolation Methods (SQUAREM)— Ravi Varadhan, Johns Hopkins University; Christophe Roland, Université des Sciences et Technologies de Lille

5:35 p.m. MLE of Multivariate Normal Parameters in the Presence of Left-censored and Missing Values— Heather Hoffman, Virginia Commonwealth University; Robert E. Johnson, Virginia Commonwealth University

71
MCC-103 F
 Assessments of Students’ Learning and Attitudes in Introductory Statistics—Contributed
Section on Statistical Education
Chair(s): Ann Cannon, Cornell College

4:05 p.m. Assessment of Materials for Engaging Students in Statistical Discovery— Amy G. Froelich, Iowa State University; W. Robert Stephenson, Iowa State University; William M. Duckworth, Iowa State University

Statistics: The Art and Science of Learning from Data
Alan Agresti, University of Florida
Christine Franklin, University of Georgia

Alan Agresti and Christine Franklin bring their extensive real-world and teaching experience to a new introductory statistics text that addresses the needs and realities of today’s students.

Challenging the established organization and structure of the intro statistics text, they offer a book that makes statistics a central science in modern life—accessible and engaging without compromising rigor.

To learn more about Agresti/Franklin and our other statistics offerings, please visit Prentice Hall at booths 601 and 603!
4:20 p.m. Applying an Action-research Model To Assess Student Understanding of the Central Limit Theorem in Postcalculus Probability and Statistics Courses—✦ Myrtis L. Lunsford, Longwood University; Ginger Holmes Rowell, Middle Tennessee State University; Tracy Goodson-Espy, Appalachian State University

4:35 p.m. Brigham Young University TestBank: an Automated System for Unique Test Generation and Correction—✦ David G. Whiting, Brigham Young University; Del T. Scott, Brigham Young University

4:50 p.m. Evaluation of Classification Accuracy and Consistency in Educational Testing—Lisue Chen, CTB/McGraw-Hill; ✦ Matthew Finkelman, CTB/McGraw-Hill; David Rogosa, Stanford University

5:05 p.m. An Example of Utilizing Data Analysis for Assessing a Math General Education Curriculum—✦ Charles Todd, Montana Tech, The University of Montana

5:20 p.m. Getting Students Involved in Learning Introductory Statistics in a Large Lecture Setting—✦ Jackie Miller, The Ohio State University

5:35 p.m. Floor Discussion

72 MCC-200 F
Recurrent Events, Competing Risks, and Other Challenges in Survival Analysis—Contributed

Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section
Chair(s): Ying Guo, Emory University

4:05 p.m. Choice of Time Scale and Its Effect on Significance of Predictors in Longitudinal Studies—✦ Michael Pencina, Boston University; Martin G. Larson, Boston University; Ralph D’Agostino, Boston University

4:20 p.m. A Novel Application of Survival Analysis to the Study of Infant Birth Weight—✦ Katherine Hoggatt, University of California, Los Angeles; Sander Greenland, University of California, Los Angeles; Beate Ritz, University of California, Los Angeles

4:35 p.m. Markovian Multistate Regression Models for Cardiovascular Diseases—✦ Somesh Chattopadhyay, Florida State University

4:50 p.m. Analysis of Competing Risks with Frequent Tied-event Times—✦ Robert Glynn, Brigham and Women’s Hospital; Bernard Rosner, Harvard Medical School; William G. Christen, Brigham and Women’s Hospital

5:05 p.m. Attributable Risk Estimation in Longitudinal Studies with Censoring—✦ Cynthia S. Crowson, Mayo Clinic; Terry M. Therneau, Mayo Clinic; Sherine E. Gabriel, Mayo Clinic; W. Michael O’Fallon, Mayo Clinic

5:20 p.m. Comparing Smoothing Techniques for Modeling Exposure-response Curves in Cox Models—✦ Donna Spiegelman, Harvard School of Public Health; ✦ Usha S. Govindaraju, Harvard School of Public Health; Ellen Eisen, Harvard School of Public Health

5:35 p.m. Recurrent Event Models in the Presence of a Terminal Event: Comparison, Inference, and Data Analysis—✦ Xianghua Luo, Johns Hopkins University; Mei-Cheng Wang, Johns Hopkins University

73 MCC-209 AB
✦ ✦ Survey Data in Health and Epidemiological Applications—Contributed

Section on Survey Research Methods
Chair(s): Christopher H. Johnson, U.S. Centers for Disease Control and Prevention

4:05 p.m. Uses of the Medicare Current Beneficiary Survey for Analysis across Time—✦ David Ferraro, Westat; Hongji Liu, Westat; Ravi Sharma, Westat

4:20 p.m. Using Repeated Measures Techniques To Analyze Cluster-correlated Survey Responses—✦ Celia Eicheldinger, RTI International; G. Gordon Brown, RTI International; James Chromy, RTI International


4:50 p.m. Incorporating Multiple Observations into Logistic Regression Models of Incident Disease—✦ Julia Bienias, Rush University Medical Center; Phillip S. Kott, National Agricultural Statistics Service; Todd L. Beck, Rush University Medical Center; Denis A. Evans, Rush University Medical Center


5:20 p.m. Improving Population Surveys of Health Care Utilization—✦ Monroe Sirken, National Center for Health Statistics

Contributed Posters 8:00 p.m.–9:50 p.m.

**74** MCC-Level Two Lobby B

**Contributed Poster Session 1—Contributed**

**Biometrics, Biostatistics, Epidemiology**

**01** Sigmoidally-transformed Cosine Curves: Mathematical Model for Circadian Rhythms with Nonsinusoidal Shapes—Matthew Marler, University of California, San Diego; Philip Gehrman, Pennsylvania Center for Sleep and Respiratory Physiology; Jennifer Martin, University of California, Los Angeles

**02** Statistical Analysis of Bioassays of Environmental Toxicants Using the Nematode Caenorhabditis Elegans—Sandra McBride, Duke University; Grace E. Kissling, National Institute of Environmental Health Sciences; Windy Boyd, Duke University; Jon Freedman, Duke University

**03** Predicting Time-to-clinical Stability and Length of Hospital Stay in Patients with Community-acquired Pneumonia—Andrew S. LaJoie, University of Louisville; Rafael De La Cruz, University of Louisville; Douglas J. Lorenz, University of Louisville; Julio A. Ramirez, University of Louisville

**04** Utilizing Propensity Scores To Test Treatment Effects in Survival Data—Jingxia Liu, Medical College of Wisconsin; Meijie Zhang, Medical College of Wisconsin

**05** Clinical vs. Statistical View of the Association of Waist vs. Body Mass Index with Incident Diabetes: a Literature-based Metaanalysis—Gabriela Vazquez, University of Minnesota; Sue Duval, University of Minnesota; David Jacobs, University of Minnesota

**06** Analyzing the National Longitudinal Survey of Youth: a Comparison of Statistical Methods—Jonathan Mahnken, University of Kansas Medical Center; Chaoyang Li, University of Kansas Medical Center; Niaman Nazir, University of Kansas Medical Center; Joseph So, University of Kansas Medical Center; Harsohena Kaur, University of Kansas Medical Center; Jasjit Ahluwalia, University of Kansas Medical Center

**Business, Financial, and Marketing Statistics**

**07** The Financial Impact of Global Events on the Home Improvement Industry—Norean Sharpe, Babson College; Andrew Mullin, Babson College

**Data Mining and Knowledge Discovery, Machine Learning**

**08** Nonlinearity in a Large Dataset for an Urban Development Study—Wei-hong Wang, The College of New Jersey; Pin-Shuo Liu, William Paterson University

**Economics, Game Theory**

**09** Stationary ARMA Processes with Relative Error—Key-Ill Shin, Hankuk University of Foreign Studies; Heungsun Park, Hankuk University of Foreign Studies

**Genetics, Bioinformatics, Computational Biology**

**10** The Application of Block Wavelet Shrinkage Principal Components Model on DNA Microarray Data—Jack Lee, Chinese University of Hong Kong; Benny C. Zee, Chinese University of Hong Kong

**11** Constructing Gene Expression-based Diagnostic Rules for Understanding Individualized Etiology of Complex Diseases—Zhong Gao, Johns Hopkins University

**12** Genetic Linkage Analysis of Bivariate Traits Using Identity by Descent Data from Sib-pairs—Jian Han, Bristol-Myers Squibb Company

**13** Joint Tests for Quantitative Trait Loci in Transmission Disequilibrium Testing—Jasmin Divers, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham; Hemant Tiwari, University of Alabama at Birmingham; David B. Allison, University of Alabama at Birmingham

**Health Policy, Public Health**

**14** Combining Information from Multiple Surveys To Improve on Analyses of Self-reported Data in Estimating Measures of Health Disparities—Nathaniel Schenker, National Center for Health Statistics; Trivellore Raghunathan, University of Michigan

**15** Analysis of Short-term Influences of Ambient Aeroallergens on Pediatric Asthma Hospital Visits in the Cincinnati Area—Wei Zhong, University of Cincinnati; Linda Levin, University of Cincinnati; Atin Adhikari, University of Cincinnati; Tina Reponen, University of Cincinnati; Rakesh Shukla, University of Cincinnati; Gurjit K. Khurana Hershey, Cincinnati Children’s Hospital Medical Center; Grace LeMasters, University of Cincinnati

**16** Examples of Student Projects Using Historical Health Statistics—S. David Kriska, Restat Systems, Inc.; Marcia M. Sass, UMDNJ School of Public Health; Mark C. Fulcomer, Richard Stockton College of New Jersey; Ann E. Jones, UMDNJ School of Public Health; Brian T. Little, UMDNJ School of Public Health; Michael W. Holton, Harvard School of Public Health; Jallah M. Kennedy, UMDNJ School of Public Health

**Incomplete Data Analysis, Imputation Methods**

**17** A Pattern-mixture Model for Censored Binary Longitudinal Data—Yuting Zhang, MedFocus; Brent J. Shelton, University of Kentucky
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**OPENING MIXER and Contributed Poster Session**

**Sunday, August 7**

8:00 p.m.–10:30 p.m.

Minneapolis Convention Center
Level 2, Lobby B, Seasons, and Bridge
Presidential Address

IMS President 2004–05, Louis H.Y. Chen, will deliver the 2005 Presidential Address on “The Poisson Paradigm.”

Also this evening:

- Presentation of the 2005 H.C. Carver Award Medal
- Presentation of New IMS Fellows
- Announcement of 2006 Special Invited Lectures
- Announcement of Laha Award Recipients

*Reception immediately following: everyone is welcome*

Student Mixer

New Members, New Graduates and Students

All members who have joined the IMS during the past two years, all IMS New Graduate members and all IMS student members are encouraged to attend. Appetizers and an open bar will be available.

If you wish to join the IMS but haven’t, please come by the reception where we will have applications available, or you can join online at www.imstat.org.

IMS Membership is **free** for students.